



TOTALLY WICKED®

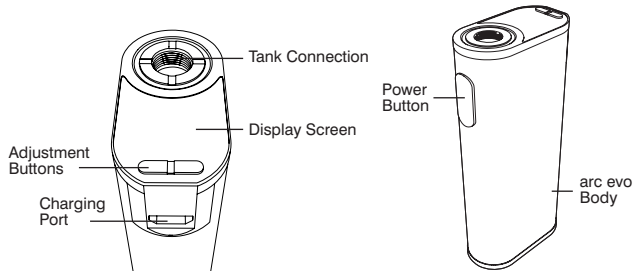
arc

evo

**BATTERY
USER MANUAL**

CONGRATULATIONS
ON PURCHASING YOUR
TOTALLY WICKED
ARC EVO
BATTERY

ARC EVO BATTERY



USING YOUR ARC EVO BATTERY

SWITCHING ON AND OFF

Switch the arc evo on by quickly pressing the power button five times, the screen will activate indicating the arc evo has been switched on. Quickly pressing the power button five times will switch the arc evo off, the screen will deactivate indicating the arc evo has been switched off.

SELECTING THE OUTPUT MODE

The arc evo battery has multiple output modes; wattage, bypass, temperature control (nickel, titanium, stainless steel) and three TCR (temperature coefficient of resistance) memory settings (M1, M2, M3). Before selecting an output mode, ensure the mode is compatible with your atomizer type. To select an output mode, quickly press the power button 3 times to enter the mode selection screen, then keep pressing the left or right adjustment button to cycle between wattage, bypass, Ni, Ti, SS, TCR

USING YOUR ARC EVO BATTERY

M1, TCR M2 or TCR M3; once the relevant output mode is displayed onscreen; press the power button once to activate the selected mode.

Note: Wattage mode is generally the best choice for use with most standard atomizer heads. Temperature Control modes will only function correctly when coils are made from specific special materials such as Nickel, Titanium and Stainless Steel.

ADJUSTING WATTAGE

The arc evo wattage can be adjusted from 1 – 60 watts. To set the wattage, ensure the arc evo is switched on and set to wattage mode; then use the adjustment buttons to set the wattage to the desired level. Lower wattage settings produce cooler vapour and smaller clouds. Higher wattage settings produce a hotter vapour and larger clouds, but setting the wattage too high can lead to poor flavour, or even a burnt taste. Experiment to find your favourite wattage setting.

USING YOUR ARC EVO BATTERY

CHARGING THE BATTERY

The arc evo is charged by connecting the charge port on the battery to a USB port or suitable wall adaptor with the supplied charging lead. The battery icon will begin to flash onscreen for 30 seconds when the charge lead is first connected. This will then be replaced by a full screen flashing battery icon. Once the battery is fully charged the screen will switch off completely.

ONSCREEN MESSAGES

ATOMIZER HEAD PROTECTION

If the power button is held down for longer than 10 seconds while vaping, the screen will display “Over 10s Protection” and the arc evo will not continue to power the atomizer or produce any vapour. Releasing the power button will allow normal operation to resume.

FLASHING BATTERY ICON

If the onscreen battery icon begins to flash, this is an indication that the battery will need charging soon.

WEAK BATTERY

If “WEAK BATTERY” is displayed onscreen, this indicates the arc evo has insufficient battery voltage to deliver the currently selected wattage; wattage will be reduced to protect the battery. Charge the battery using the steps outlined in CHARGING THE BATTERY on page 6 to allow normal operation to resume.

ONSCREEN MESSAGES

LOCK

If “Lock” is displayed onscreen, this indicates the arc evo has insufficient battery charge. To prevent damaging the battery, the arc evo will no longer power the atomizer or produce any vapour. Charge the battery using the steps outlined in CHARGING THE BATTERY on page 6 to unlock the arc evo and allow normal operation to resume. The arc evo can be used normally while charging.

ADDITIONAL SETTINGS

STEALTH MODE

If stealth mode is enabled, the display will not activate when pressing the power button to vape. The display will still activate whenever the adjustment buttons are pressed to make changes to wattage or settings, or if the power button is pressed briefly.

To enable stealth mode, ensure the arc evo is switched on, then press and hold down the power and left adjustment buttons at the same time, the screen will display

ADDITIONAL SETTINGS

“Stealth ON” when enabled. Repeat the process to disable stealth mode, the screen will display “Stealth OFF” when disabled.

KEY LOCK MODE

Key lock mode prevents accidental changes to the wattage or temperature settings. If key lock mode is enabled, the screen will display “Lock” whenever the adjustment buttons are pressed. Adjustments to wattage or temperature settings cannot be made until key lock has been disabled.

To enable key lock mode, ensure the arc evo is switched on, then press and hold down both adjustment buttons at the same time; the screen will display “Lock” when enabled. Repeat the process to disable key lock mode; the screen will display “Unlock” when disabled.

ENU CHARGING PROTECTION MODE

ENU (Expected Normal Use) mode offers an additional layer of protection when charging the battery. If the battery’s temperature exceeds 50°C while charging,

ADDITIONAL SETTINGS

the screen will display “BATTERY TOO HOT” and charging will be disabled; once the temperature of the battery drops to 45°C charging will resume. If the battery’s temperature drops to -5°C while charging, the screen will display “BATTERY TOO COLD” and charging will be disabled; once the temperature of the battery increases above 0°C, charging will resume. It is strongly recommended not to disable this safety feature.

To enable/disable ENU mode, ensure the

arc evo is switched on and quickly press the power button twice to toggle between on/off states. If enabled the screen will display “ENU ON”; if disabled the screen will display “ENU OFF”.

ROTATING THE DISPLAY

Switch the arc evo off, then press and hold down both adjustment buttons at the same time to rotate the display 180°. Switching the arc evo back on activates any screen changes made.

ADDITIONAL OUTPUT MODES

BYPASS MODE

Bypass mode provides a direct connection between the battery cell and the atomizer head. The higher the battery charge; the more power and vapour will be produced. In bypass mode the wattage is governed by atomizer head resistance and remaining battery voltage, and cannot be manually adjusted. Lower resistance atomizer heads will produce more power and vapour while higher resistance atomizer heads produce less power and vapour.

Note: Bypass mode is only advised for standard atomizer heads. It will not work effectively for atomizer heads made from nickel or titanium.

TEMPERATURE CONTROL MODE

Temperature control vaping modes can only be used when specific coil materials have been used for atomizer head manufacture, namely nickel (Ni), titanium (Ti) or stainless steel (SS). To select the appropriate temperature control mode, quickly press the power button 3 times

ADDITIONAL OUTPUT MODES

to enter the mode selection screen. Then press the left or right adjustment buttons to cycle between Temp Ni, Temp Ti, Temp SS, TCR M1, TCR M2 or TCR M3; press the power button to confirm the selection.

Note: Only atomizer heads with coils made from nickel, titanium or “316” stainless steel are compatible with temperature control mode. Select the appropriate mode to match your atomizer head type.

ADJUSTING WATTAGE IN TEMPERATURE CONTROL/TCR MODES

The maximum wattage applied in Temperature Control or TCR modes can be adjusted. Higher wattages allow the target temperature to be reached quicker, while lower wattages increase the time taken to reach the target temperature. Setting the wattage too low may prevent the target temperature from being reached at all. To adjust the wattage in temperature control mode, quickly press the power button 4 times then use the left or right adjustment

ADDITIONAL OUTPUT MODES

buttons to increase or decrease the maximum wattage. Press the power button once to confirm the wattage selection.

ADJUSTING TEMPERATURE

When in temperature control or TCR mode, use the left or right adjustment buttons to increase or decrease the temperature from 100°C – 315°C (200°F – 600°F). Lower temperature settings produce cooler and smaller clouds of vapour. Higher temperature settings produce hotter and larger clouds of vapour, setting the

temperature too high can lead to poor flavour or even a burnt taste. Experiment to find your favourite setting.

Note: The screen displaying “TEMP PROTECT” is not an error or fault; it means the atomizer head has reached or exceeded the set target temperature.

ADDITIONAL OUTPUT MODES

SWITCHING BETWEEN °C AND °F

Press and hold down the right adjustment button to increase the temperature to the maximum of 315°C or 600°F, then press the right adjustment button once more. The unit of measure will switch to Fahrenheit if previously in Celsius mode, or Celsius if previously in Fahrenheit mode. The same can be achieved by pressing and holding the left adjustment button.

SETTING TCR VALUES

TCR (temperature coefficient of resistance) settings allow atomizer heads made from coil materials other than those available in the “TEMP” mode to be used with effective temperature control. The arc evo allows 3 different TCR values to be pre-set as M1, M2 and M3. To set the temperature coefficient of resistance to match a particular coil material, switch the arc evo off by quickly pressing the power button 5 times, then press and hold down the power and right adjustment buttons at the same

ADDITIONAL OUTPUT MODES

time until the screen activates the TCR menu. Pressing the power button cycles between M1, M2 or M3 modes, pressing the left or right adjustment buttons increases or decreases the relevant TCR value. Leave the arc evo idle for 10 seconds to confirm your selection, then switch the arc evo back on.

Refer to the table opposite for a list of TCR estimates of the most common types of wire used in temperature controlled vaping.

Material	TCR Value Range
Nickel	600 - 700
NiFe	300 - 400
Titanium	300 - 400
SS (303, 304, 316, 317)	80 - 200

Note: The TCR value displayed is 105 (100,000) times greater than the actual TCR value in standard units of K-1.

ADDITIONAL OUTPUT MODES

TCR settings are not generally required for standard coil material. If using standard nickel, titanium or 316 stainless steel coils, TCR settings will not have any advantage over the standard temperature control settings.

PROTECTIONS

SHORT CIRCUIT PROTECTION

If an atomizer short circuit occurs, the screen will display “Atomizer Short” and the arc evo will not provide power to the atomizer or produce any vapour. Replacing the tank’s atomizer head should allow normal operation to resume.

PROTECTIONS

NO ATOMIZER DETECTED PROTECTION

If no atomizer is detected, the screen will display “No Atomizer Found” and the arc evo will not provide power to the atomizer or produce any vapour. Ensure the atomizer head is fully screwed into the base of the tank, then fit the tank back onto the battery. If the “No Atomizer Found” message continues, replacing the tank’s atomizer head should allow normal operation to resume.

CLEANING AND MAINTENANCE

The arc evo battery and tank connection thread can be cleaned by wiping down with tissue or a dry cloth.

Note: Do not submerge the arc evo battery unit in water or allow it to get wet.

SPECIFICATIONS

arc evo Battery

Dimensions: 42.0mm x 22.0mm x 85.2mm.

Weight: 136g.

Battery Capacity: 4400mAh Integrated Battery.

Wattage Range: 1 – 60W.

Voltage Range: 0.5 – 9.0V.

Maximum Charge Current: 2.0A.

Flush Fit Tank Diameter: 22mm.

Connector Type: Spring Loaded 510.

Atomizer Resistance Compatibility:

Wattage/Bypass > 0.1ohm – 3.5ohm.

Atomizer Resistance Compatibility:

Temperature Control/TCR > 0.05 – 1.5ohm.

WARRANTY

arc evo components have a 28-day parts warranty. The USB cable supplied has a 12-month warranty. If any parts are found to be faulty within this time please contact our customer service team, whose details are on the back page of this booklet and we will arrange for a replacement. We may require the goods to be returned for further investigation.

PRODUCT STORAGE AND BATTERY PRECAUTIONS

- Store the arc evo e-cigarette and its accessories away from children whilst not in use.
- Please only use the charging cable provided.
- Please dispose of dead batteries in accordance with your country's appropriate legislation.
- Do not charge the battery in a damp environment, or in temperatures under 0°C or above 45°C.
- Do not use the device in temperatures under -10°C or above 60°C.
- Do not carry batteries in a pocket or bag with other metallic objects.
- Do not attempt to repair a faulty arc evo battery as these are sealed units with no serviceable parts. Attempted repairs will void the warranty.

KIT CONTENTS

- 1 x arc evo battery
- 1 x QC USB Cable
- 1 x User Manual

PiLLbOX 38



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