

REACTOR



80W BATTERY (TC)

INTRODUCTION

Thank you for purchasing the REACTOR battery. Please read this manual carefully before using to ensure optimal lifespan and performance.

The REACTOR is an advanced vaping system offering an enormous 5000 mAh battery capacity and adjustable power ranging from 1W–80W. Additional benefits of the REACTOR include temperature control, extraordinary vapor production, and the ability to customize settings. This system is manufactured to the highest quality standards, and when coupled with our line of premium e-liquids, offers an exceptional vaping experience.

GETTING STARTED

REACTOR batteries must be turned “on” before using for the first time.

To turn on your REACTOR, press the firing button on the side of the battery five times in rapid succession. Once the battery is turned on, the digital LED screen will become visible. To use this device, first ensure the battery is “on” and the tank is filled with e-liquid. Once ready, place your lips around the mouthpiece and inhale while holding down the firing button. Release the button at the end of each drag and repeat as desired. The wattage can be adjusted to personal preference as described later in this instruction manual.

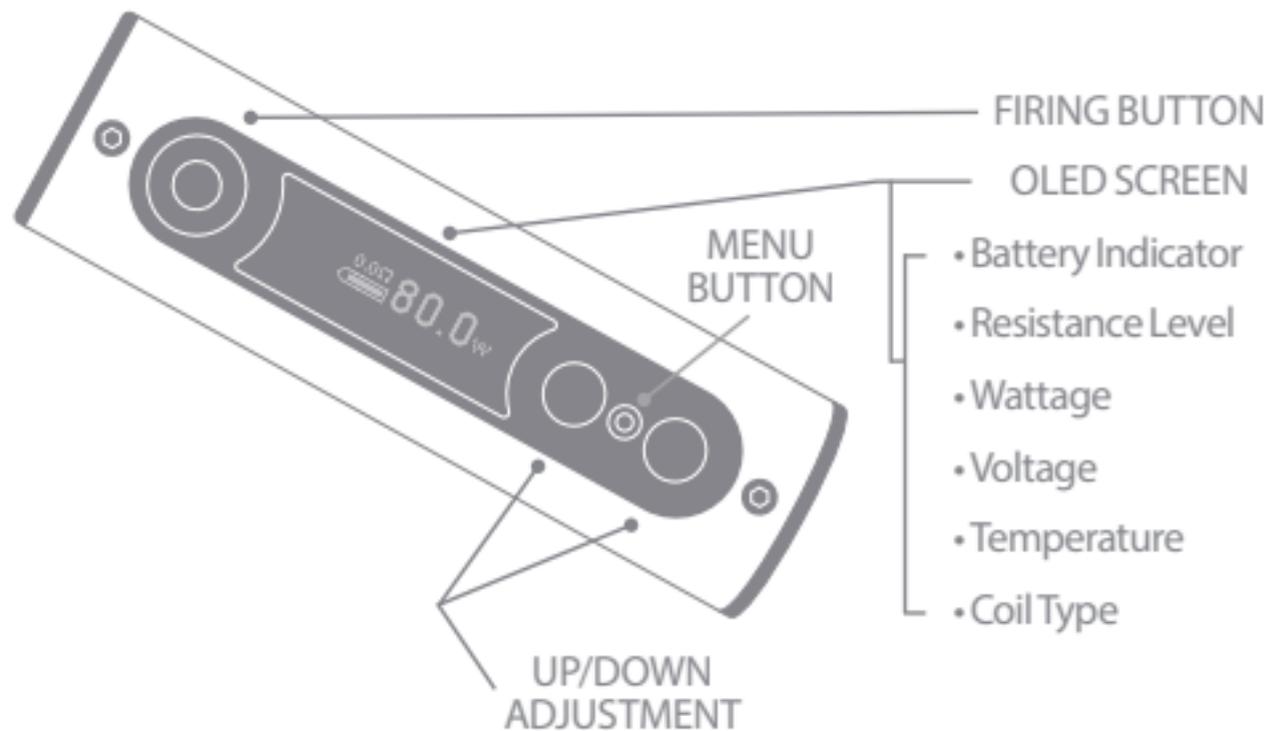
GETTING STARTED

It is important to turn “off” this device before storing.

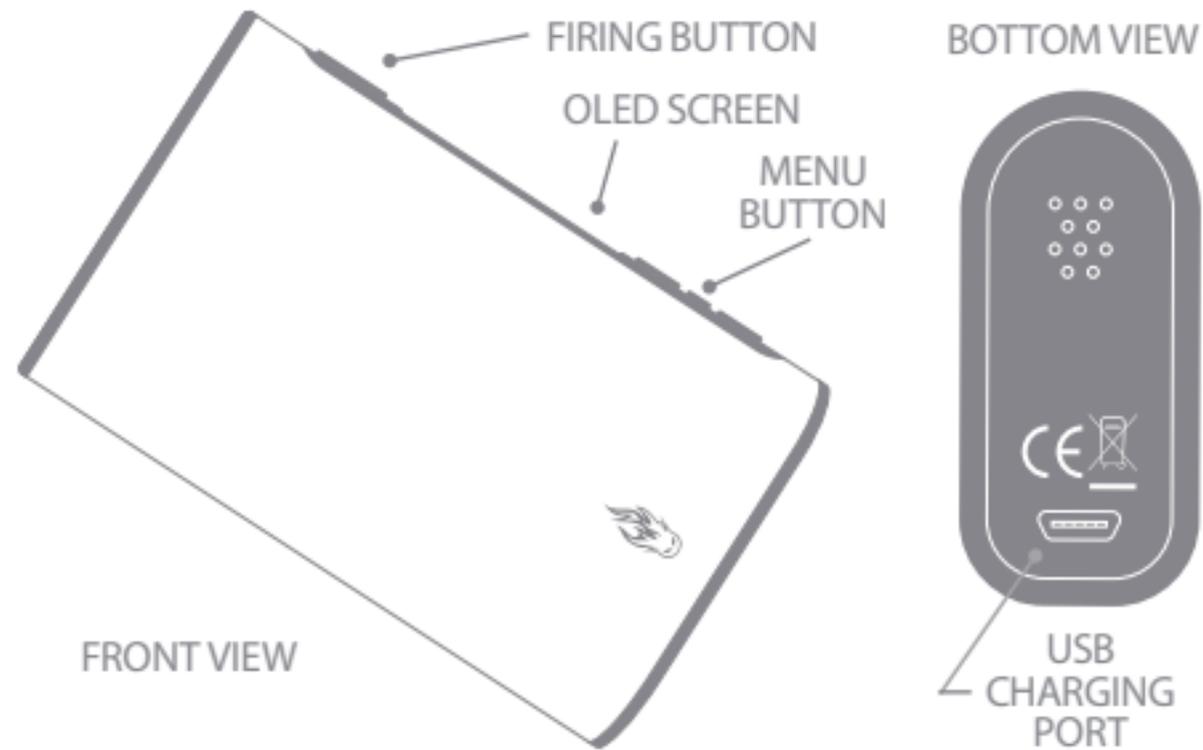
There is no harm in leaving your REACTOR battery “on,” as the battery life will not be consumed unless the firing button is pressed. It is important however, to turn your battery “off” when placing it in drawers, pockets, or purses to ensure the button is not pressed inadvertently.

To turn the REACTOR battery “off,” follow the same steps used to turn the battery “on.” Simply press the firing button five times in rapid succession, and the LED screen will go blank. Please note, you will need to turn the REACTOR battery back “on” again before using.

COMPONENT'S SIDE



COMPONENT'S FRONT & BOTTOM



POWER ADJUSTMENT

Overview

Adjusting the power (wattage) of your REACTOR battery offers the ability to customize your vaping experience. Flavors taste better at different power levels, so the ability to adjust wattage allows users to find the “sweet spot” of their favorite e-liquids. Increased power will generate increased heat, which typically results in warmer, more plentiful vapor production.

Adjusting Power

The wattage can be adjusted by pressing the “up” or “down” power adjustment buttons until the desired level is reached. An increase in wattage will translate to an increase in power. It is recommended to start with lower levels and slowly increase the wattage.

POWER ADJUSTMENT

Advanced Users

Advanced users can further customize their vaping experience by using coil heads of varying resistance. The resistance of the attached coil head (ohms) can be viewed next to the battery level indicator. Lower resistance coils will increase the power.

Locking the Wattage

Once a preferred wattage level is found, the device can be locked to ensure the arrow buttons are not pressed accidentally. To lock the wattage, press the up arrow and the down arrow simultaneously for two seconds. Once successful, the LED screen will display the word “Lock.” To unlock the device, repeat the process until the LED screen displays the word “Unlock.”

TEMPERATURE CONTROL

TC Overview

The REACTOR battery offers advanced temperature control (TC) functionality, allowing users to set a maximum coil temperature. This is often used to maintain a consistent flavor profile while preventing “dry hits.” When a TC compatible coil is attached to the battery, the corresponding mode must be selected for the functionality to work properly. NI200 and Titanium coils should never be used in Variable Wattage Mode or fired for extended periods of time.

The chart to the right indicates the available modes and corresponding coil types required.

TEMPERATURE CONTROL

Mode	Coil Material	Temp Control
VW	Any (Kanthal)	No
TC-Ni	NI200	Yes
TC-Ti	Titanium	Yes
TC-SS	316L Stainless Steel	Yes
TCR-M1	Advanced Memory 1	Yes
TCR-M2	Advanced Memory 2	Yes
TCR-M3	Advanced Memory 3	Yes

TEMPERATURE CONTROL

TC Modes

To use the temperature control functionality, first ensure a TC compatible coil from the list on the last page is attached to the device. Next, press and hold the "menu" button to toggle between available modes. Release the button when the desired mode is visible on the screen. The device can also be manually set to run without temperature control by selecting the variable wattage (VW) mode, bypass mode or smart mode. In variable wattage mode, only overall power can be adjusted without the ability to limit the maximum temperature. When setting the maximum temperature of the coil, it is highly recommended to start low and slowly increase the temperature. In bypass mode, the device can support a coil with

TEMPERATURE CONTROL

a resistance level within the range of 0.1 ohms - 3.5 ohms. Direct voltage output system is applied in this mode. Therefore, the higher the battery level, the higher the voltage output. In Smart Mode, the wattage can be adjusted from 1W to 80W by pressing the up button or down button only when an atomizer is installed on the device. The Smart Mode will save one output power setting for each resistance value and can totally save 10 groups of such profiles. Once you change the output power setting for a resistance, it will resave the changed setting automatically. When the Smart Mode has already remembered 10 profiles and you want to add another new resistance, the first saved profile will be deleted. When set in this mode, the device can support a coil whose resistance is within the range of 0.1-3.5 ohms.

TEMPERATURE CONTROL

Note: When using a non-TC coil in one of the temperature control modes by mistake, the device will automatically switch to variable wattage (VW) mode.

Adjusting Wattage

When in a temperature control mode, the wattage output can be adjusted from 1W - 80W. Keep pressing the "menu" button and the up button simultaneously to increase the wattage level. To decrease the wattage level, simultaneously press the "menu" button and the down button.

Adjusting Temperature

When in a temperature control mode, the maximum coil

TEMPERATURE CONTROL

temperature can be adjusted from 200-600°F by pressing the up button to increase and down button to decrease. Each press of the up or down button will increase or decrease the temperature setting by 10°F. Holding the up or down button will rapidly increase or decrease the temperature.

Shift Between °C and °F

If you increase temperature to 315 °C and continue to press the up button, the temperature reading will automatically change to the lowest Fahrenheit (200°F). Equally, if the temperature is set at the lowest Fahrenheit (200°F) and you continue to press the down button, the temperature reading will automatically change to the highest Celsius (315°C).

TEMPERATURE CONTROL

TCR Mode Advanced

TCR (Temperature Coefficient of Resistance) mode allows the user to manually adjust the TCR values for different types of wire to further improve on the accuracy of the device's ability to limit and sense an atomizer coil's temperature. There are three storage slots available (M1,M2,M3), each of which can store a



M1 MODE VIEW

TEMPERATURE CONTROL

user defined TCR value. For your reference, the following table indicates standard TCR value ranges for different wire types:

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

Note: The TCR values listed above are 10X the actual Temperature Coefficient of Resistance.

TEMPERATURE CONTROL

Resistance Locking

Resistance Lock Mode allows the device to maintain the same “base resistance” even though the coil resistance may increase due to a rise in temperature. When locked, the device will remember the last resistance used after a coil is removed and then put back on.

In Resistance Unlock Mode, the resistance will be checked each time a new coil is attached. After removing a coil, the screen will display “New coil up same down” to check if the same coil is being re-attached. If the same coil is being re-attached, press the down button and if it is a new coil, press the up button.

TEMPERATURE CONTROL

Lock/Unlock Resistance

To lock or unlock the base resistance, ensure the device is turned on and is set to one of the temperature control modes (TC-Ni/TC-Ti/TC-SS/TCR M1, M2, M3). The attached coil must be at room temperature for the device to correctly set the “base resistance.” Next, hold down the fire button and up button simultaneously for 2 seconds to lock or unlock the resistance. The lock sign will appear when resistance is locked and “Ω” symbol will come back when unlocked.

Note: Be sure to unlock the base resistance when you want to change an atomizer or a coil to a different resistance.

BATTERY FEATURES

Switching LED Orientation:

The LED display can be rotated 180° based on user preference. With the REACTOR battery turned “off,” press the “up” arrow and the “down” arrow simultaneously for two seconds.

Overheat Protection

The REACTOR battery is equipped with overheat protection which will automatically deactivate the device should its temperature rise above 158° Fahrenheit (70° Celsius). If a temperature above 158°F is detected, the REACTOR battery will lock and the LED screen will display “temp protection” for the next five seconds. After this time, the device will unlock, the display will return to normal, and you may resume vaping.

BATTERY FEATURES

Short Circuit Protection

The REACTOR is equipped with short circuit protection to ensure your battery is not damaged by faulty tanks/coils. Should a short circuit occur in the tank, the unit will not fire, and the LED screen will display “atomizer short.” Replace the coil head in the tank, and your REACTOR battery will perform again as intended.

Drag Time

Once the REACTOR firing button is pressed, the time elapsed (in seconds) is displayed on the LED screen. The total drag length will be visible for three seconds after the firing button is released. This allows the user to track the length of each drag.

BATTERY CHARGING

When to Recharge

As you use the REACTOR, the battery will slowly drain and eventually need to be recharged. The battery level indicator on the LED screen will display the amount of battery life remaining. The battery can be charged at any time, regardless of the remaining charge. If the battery is completely drained, it will need to be charged before continuing use.

Important Note:

It's important to use only the REACTOR USB cable and wall charger. Using components from other manufacturers may cause irreversible damage to your REACTOR battery and increase the risk of fire due to potential voltage differences.

BATTERY CHARGING

Charging Time

The REACTOR battery will typically take 6.5 hours to obtain a full charge from its fully drained state.

How to Recharge

Attach the small connector of the USB cable into the charging port of the REACTOR battery. The larger end of the cable should then be inserted into a computer or other USB compatible power source, or can be used in conjunction with the REACTOR wall charger. Once connected to a power source, the battery level indicator on the LED screen will flash until fully charged. Once fully charged, the battery level indicator will stop blinking, shine for 10 seconds and go out.

WARNINGS

Storage: This device should be kept out of reach of children and pets, and stored safely in a dry environment. Do not store in high-temperature areas, as this will cause irreversible damage to batteries and other components.

Overheating: If the REACTOR vaporizes continuously or shows any signs of overheating, stop usage immediately and unscrew all parts.

Charging: Do not use the charger in damp areas or near a high temperature heat source. If the power supply emits any heat or odor, is discolored, or experiences any unexpected issues while charging, unplug it immediately.

WARNINGS

Coil Resistance: The REACTOR battery is designed to work with coils having a resistance of .1 ohms or above. Using coil heads below .1 ohms will create a potentially unsafe situation.

Improper Usage: The use of any third-party accessories may lead to malfunction and/or damage of this product.

Guarantee: The REACTOR offers a 30-day satisfaction guarantee on all hardware. However, e-liquids and coil assemblies are consumable items and will not be refunded.

Warranty: Claims for products damaged by improper usage will not be accepted. This includes, but is not limited to, the use of third-party hardware and/or improper handling.



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