



**INNOKIN**<sup>®</sup>



# COOLFIRE IV TC-18650

**USER MANUAL**

## **Important Information Inside!**

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## CoolFireIV TC-18650 Temperature Control Vaping System

Welcome to the next level of vaping perfection with this Innokin CoolFireIV TC-18650 Vaporizer with AETHON Temperature Control Technology.

For the best possible vaping experience please read, and follow this user manual.

The CoolFireIV TC-18650 is powered by the Ultra-fast advanced AETHON chipset with 75W of real power, ClearWave signal smoothing technology and a replaceable 18650 battery design focused on durability and safety.

Choose your favorite Stainless Steel316L, Nickel200 or Titanium coils and get ready for an amazing vaping experience with no more dry hits!

Pure Power, Total Control, Huge Clouds. Get ready to experience true vaping excellence with the Innokin CoolFireIV TC-18650 !!

Verify your CoolFireIV TC-18650 is an authentic Innokin Technology vaporizer:

- 1) Locate the label on the packaging and scratch the silver stripe to reveal your CoolFireIV TC-18650 Unique Authorization number.
- 2) Visit: <http://www.innokin.com/verify-device/>
- 3) Enter the Unique Authentication number in the Authentication field.
- 4) Verify your CoolFireIV TC-18650 is a genuine Innokin Vaporizer.

If you have any questions or suggestions, please write to us at [support@innokin.com](mailto:support@innokin.com)

#### **WARRANTY INFORMATION:**

Innokin Technology provides a 90 day after sales service warranty to all authorized vendors.

Please consult the official Innokin website ([www.innokin.com](http://www.innokin.com)) or your Authorized Innokin Technology Vendor for more information and terms of service.

Keep the proof of purchase of this device.

The proof of purchase is needed for the 90 Day Limited Warranty.

Read the Safety Guidelines and Warnings on the following pages.

For more information and to download the warranty card please visit:

<http://www.innokin.com/innokin-90-day-limited-warranty-program/>

### ***SAFETY GUIDELINES AND WARNING:***

**Please read this section carefully to ensure you receive maximum benefits from your CoolFireIV TC-18650 Personal Vaporizer and enjoy vaping with it in the most safe and effective ways possible.**

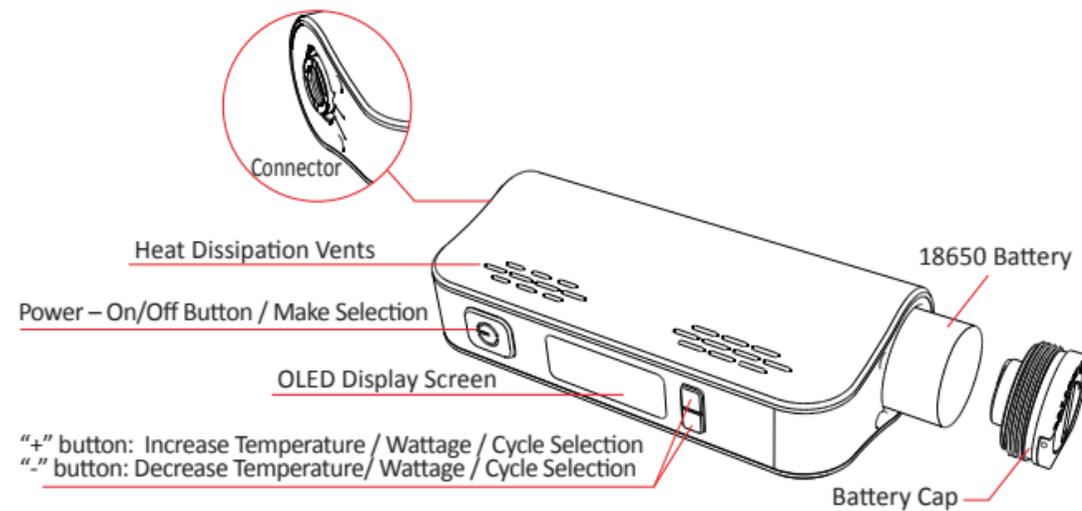
1. This Personal Vaporizer may be used with e-liquids that contain nicotine. **If questions or concerns regarding your e-liquid arise, please check with your e-liquid provider.** This product is only intended for use by adults of legal smoking age (18+) and should not be used by children, women who are pregnant or breastfeeding, or persons with or at risk of heart disease, high blood pressure, diabetes or taking medicine for depression or asthma, or who otherwise may be sensitive to nicotine. Nicotine is addictive and habit forming, and can be toxic by inhalation, in contact with the skin or eyes, or if swallowed. Ingestion of the non-vaporized concentrated e-liquid ingredients can be poisonous. Keep away from children and pets.

2. This Personal Vaporizer may be used with e-liquids that contain nicotine, a chemical known to the State of California to cause birth defects or other reproductive harm. **Please check with your e-liquid provider. (For products sold in California.)**
3. This Personal Vaporizer is only designed to be used with high quality e-liquid. **Please check with your e-liquid provider.** This device is not intended for use with loose tobacco leaf or herbal substances.
4. This Personal Vaporizer has not been evaluated by the Food and Drug Administration and is not intended to treat, mitigate, prevent or cure any disease or condition. This product is not intended for use as a smoking cessation device.
5. The atomizer **must** be stored out of the reach of children and pets. All empty atomizer must also be disposed of properly and out the reach of children and pets.

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6. This CoolFireIV TC-18650 Personal Vaporizer includes small parts such as the mouth piece. Always keep any small parts out of reach of children and pets to prevent swallowing or other harm.
  7. Do not misuse, mishandle or store your CoolFireIV TC-18650 Personal Vaporizer improperly. Even though it is made of high quality stainless steel it may become damaged when dropped or otherwise mishandled.
  8. Do not attempt to repair the unit by yourself as damage or personal injury may occur.
  9. In order to prolong the operation of your CoolFireIV TC -18650 Personal Vaporizer, please do not place or store this CoolFireIV TC-18650 Personal Vaporizer in excessively hot or cold environments.

10. Obey local laws or regulations regarding Electronic Cigarettes when vaping. If you are in an area where there are any bans or potential dangers, please do not use your CoolFireIV TC-18650 Personal Vaporizer.
  11. Your CoolFireIV TC-18650 Personal Vaporizer is not waterproof. Keep it dry at all times.
  12. Do not allow any liquids or ejuice to enter the device through the top threading or the USB ports. If any liquids enter the device, or come into contact with the PCB, please discontinue using or charging the device and contact your local Authorized Innokin Vendor immediately.
  13. Keep your CoolFireIV TC-18650 Personal Vaporizer away from sources of excessive heat as damages may occur.
  14. Do not drop, throw, or mishandle your CoolFireIV TC-18650 Personal Vaporizer as the outer shell or inner components may become damaged.
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15. Innokin Technology is not responsible for battery, device and charger explosions, or malfunctions, due to the use of low-quality battery and charger. The CoolFireIV TC-18650 does not come included with battery and charger. We recommend using high quality 18650 battery.
16. The CoolFireIV TC-18650 will only fire Temperature Control or variable wattage depending on the last setting chosen; it will not fire both. You must choose either Temperature Control or Variable Wattage.
17. Temperature Control Functions are only available with T.C. compatible coils.
18. Innokin Technology is not responsible for any atomizer or battery damage due to the use of low quality eLiquid or dry herb.



### **OPERATION GUIDE:**

The CoolFireIV TC-18650 has three buttons: “⏻” Power button, “+” button and “-” button.

“⏻” Button: Power – On/Off Button / Make Selection

“+” Button: Increase Temperature / Wattage / Cycle Selection

“-” Button: Decrease Temperature/ Wattage / Cycle Selection

The large OLED screen displays all important information.



### **To POWER ON the CoolFireIV TC-18650:**

Click the power button “⏻” three times quickly to power on the CoolFireIV TC-18650.

The main LED light will blink from red to yellow to green, after which the CoolFireIV TC-18650 will enter standby mode. The final color of the LED will indicate the current battery power level.

### **To POWER OFF the CoolFireIV TC-18650:**

When the CoolFireIV TC-18650 is not in use, click the power button “⏻” three times to power off the CoolFireIV TC-18650.

### **IMPORTANT:**

Always power off the CoolFireIV 18650 when it is not being used, or when it is going to be stored in a pocket, bag or purse.

**IMPORTANT! 18650 BATTERY SAFETY. PLEASE READ.**

- 1) Innokin strongly recommends **only** Authentic Samsung, Sony and LG 18650 batteries be used. Quality batteries are very important and some companies are printing disingenuous battery information on battery wraps.
- 2) Always purchase batteries from a trusted source to ensure authenticity. Use genuine high quality batteries and your 18650 device will last longer and perform better.
- 3) Always use a high quality 18650 battery charger to increase battery performance and reduce charging times. Innokin recommends XTAR battery chargers for optimal, intelligent battery charging.

Visit Mooch's Battery Guide for very important battery information:

<https://www.e-cigarette-forum.com/forum/blogs/mooch.256958/>

- 4) You must ensure that your 18650 batteries are properly stored in the provided silicone sleeve or a plastic 18650 carrying case. Incorrect storage may result in serious harm.
- 5) **DO NOT** mix 18650 batteries with metal objects such as coins or jewelry. **DO NOT** put an 18650 battery into your pocket or bag without a silicone sleeve or plastic case or you may cause serious damage to yourself. This is your responsibility.
- 6) Please let any of your vaping friends know about this section and about 18650 battery care and safety. You've read this far and care about safety and we genuinely appreciate it and believe in you. Thank you very much!

- 7) Never remove the 18650 battery wrap. Always use a battery with a high quality undamaged wrap.
- 8) If a battery wrap is damaged discontinue use **immediately**.
- 9) If a battery becomes discolored or damaged discontinue use **immediately**.
- 10) When a battery's capacity is diminished with use it must be recycled according to your local bylaws.
- 11) For maximum safety purchase and use a LiPo Fireproof Safety Charging Bag. Never leave an 18650 battery charging unattended.

### **GETTING STARTED:**

Check the high quality 18650 battery is charged and functioning properly.

Turn to open the 18650 Battery Cap and insert the battery in the correct direction. Align the cap properly and turn to close. Do not overtighten.

Refer to the diagram on *page 9* of this user manual for more information.

The CoolFireIV TC-18650 will only use Temperature Control with Ni200, Titanium, Stainless Steel 316 coils or use Wattage; it will not fire both. You must choose either Temperature Control or Variable Wattage.

The ideal temperature or wattage varies according to coil, eliquid, tank airflow and personal preference. Start at the low end of the recommended coil temperature or wattage range and increase the set temperature or wattage until you find your perfect vape temperature and flavor.

**IMPORTANT:** You must select the correct coil type. Set the CoolFireIV TC-18650 Temperature or Wattage according to the attached coil's recommended range.

Do not set the temperature higher than recommended or you may damage the coil. If the coil is damaged, or tastes burnt, replace the coil immediately.

Ensure that an atomizer is filled with eliquid and attached correctly. There must be eliquid in the tank before you power on & activate the device.

Do not dry burn the coil. Always Prime new Coils before vaping.

Always check & confirm the material and range of the attached coil.

#### **READY TO VAPE**

Attach an atomizer. Power on the CoolFireIV TC-18650 by pressing the "ⓘ" Power button 3x. The screen will display the last selected settings.

Click the "ⓘ" Power button once to bring up the Coil Selection screen:

<SAME> - Same coil with previous settings

<Ni> - Ni200 - Nickel Coil

<Ti> - Titanium

<SS> - Stainless Steel 316L

<W> - Wattage

Cycle through the coil selections with the "+" or "-" buttons.

Press the power button "ⓘ" to select the correct coil type.

**IMPORTANT: You must select the correct coil mode before vaping.**

### **CALIBRATION AND COIL SELECTION**

**IMPORTANT:**

For accurate calibration the coil must be at room temperature. If a coil has been heated then it must be cooled down to room temperature before calibration. Eliquids should be room temperature for accurate calibration, if an eliquid is cold then it must be warmed to room temperature before calibration.

There are two ways to select the correct coil mode:

**Coil Selection Method #1: Attach a new tank or Detach and re-attach a tank.**

When the “ⓘ” power button is pressed the OLED screen will display:

**SAME COIL 0.21Ω**  
**SAME NiTiSSW**

Press the “+” or “-” button to cycle coil types through **Ni (Ni200)**, **Ti (Titanium)**, **SS (Stainless Steel)**, **W (Wattage Mode)**.

When the desired mode is selected press the button “ⓘ” to select Coil Type and activate the CoolFireIV TC-18650. YOU MUST select the correct coil mode before vaping.

**Coil Selection Method #2:**

Press and hold the power button “Ⓞ” and the “+” button together for 3 seconds; continue holding the buttons to cycle through coil types: **Ni (Ni200)**, **Ti (Titanium)**, **SS (Stainless Steel)**, **W (Wattage Mode)**. The top left corner will display the coil type. Release the buttons to select the correct coil type.

**To adjust the set temperature and switch between Fahrenheit °F and Celsius °C:** Celsius Temperature Range can be adjusted from between 150-315°C in 5°C increments. Hold the “+” or “-” button and the temperature setting will flash. Release the button and press it again to quickly increase or decrease the set Celsius Temperature.

When the °C temperature is cycled above 315°C, or below 150°C then the device will switch to °F temperature mode. Press the “Ⓞ” button to lock the set temperature and activate the CoolFireIV TC-18650.

The Fahrenheit Temperature Range can be adjusted from 300-600°F in 5°F increments. Hold the “+” or “-” button and the temperature setting will flash. Release the button and press it again to quickly increase or decrease the set Fahrenheit temperature.

When the °F setting is increased above 600°F decreased below 300°F the device will switch to °C mode. Press the “Ⓞ” button to lock the set temperature and activate the CoolFireIV TC-18650.

**Dry Hit Detection & Prevention:**

If there is insufficient eliquid on the coil, or if the coil is not primed, then the CoolFireIV TC-18650 power output will drop to a low wattage temperature maintenance mode.

**THIS IS VERY IMPORTANT. YOU MUST READ THIS BEFORE VAPING.**

Temperature Control Functions are only available with T.C. compatible coils.

**Ni Mode:** Nickel (Ni200) coils only!

You MUST choose the Ni mode when using a Ni200 coil in the tank.

Some individuals may be allergic to Nickel (Ni200); ensure that you are able to vape Nickel (Ni200) before using Ni200 coils.

If you feel unwell after vaping, seek full medical advice immediately.

**Ti Mode:** Titanium coils only.

You MUST choose the Ti mode when using a Titanium coil in the tank.

**Stainless Steel TC mode: 316L SS coils are recommended.**

You MUST choose the SS mode when using a Stainless Steel 316L coil in the tank.

**W Mode:** Non Temperature Control coils.

**DO NOT VAPE T.C. COILS IN WATTAGE MODE**

**DO NOT VAPE NICKEL COIL IN TITANIUM OR STAINLESS STEEL MODE**

**DO NOT VAPE TITANIUM COIL IN NICKEL OR STAINLESS STEEL MODE**

**DO NOT VAPE STAINLESS STEEL COIL IN NICKEL OR TITANIUM MODE**

### **Adjust Variable Wattage:**

When the CoolFireIV TC-18650 is in variable wattage mode press and hold the “+” or “-” button and the set wattage will flash. Release the button and press the “+” or “-” button again to increase or decrease the wattage. The CoolFireIV TC-18650 wattage can be adjusted from 6.0 to 75 watts in .5 watt increments by pressing and holding the “+” or “-” button. Hold the button down to quickly increase or decrease the set wattage.

If the wattage is decreased below 6 Watts it will cycle up to 75 Watts. If the wattage is increased above 75 Watts it will cycle down to 6 watts. Press the button “ⓘ” to lock the set wattage and activate the CoolFireIV TC-18650.

### **PreBoost Ramp-Up Technology**

**What it does:** Select the wattage the AETHON chip will use to heat the coil to the target temperature.

Press and hold the “ⓘ” power button and “-” button for 3 seconds to enter PreBoost RampUp Wattage selection mode. The PreBoost RampUp setting in the lower left corner will flash. Press the “+” or “-” buttons to cycle from 25 – 75W and press the “ⓘ” button to set the RampUp wattage.

Flavor and vapor production will change depending on your selection; this allows you to tailor your vaping experience even further.

The optimal RampUp wattage setting will vary according to the type of coil and tank that you are using. Start at 25W and increase until you find your perfect setting. Experience more flavors & vapor from your favorite e liquids!

#### Ohms Meter & Battery Level Indicator & Puff Counter:

With an atomizer attached, hold both the “+” and “-” buttons simultaneously and the secondary screen will display the precise resistance of the attached atomizer, the battery voltage and the number of puffs since the device was last turned off.



0.20200Ω  
3.93V 150

#### INTEGRATED SAFETY:

##### 15 second cutoff:

If the “ⓘ” button is held for 15 seconds or longer the CoolFireIV TC-18650. Personal Vaporizer LED will flash 10 times and then stop firing until the “ⓘ” button is released and pressed again.



0.50Ω  
0.00V - .--W 10.0S

#### Low Voltage Warning:

The Red LED and Battery bar will blink 8 times when the battery capacity is lower than 3.5V and the CoolFireIV TC-18650 will automatically power off. Recharge the battery immediately to maintain battery health.



0.20Ω  
0.00V 15.0W 0.00S

#### Short Circuit/Atomizer Protection:

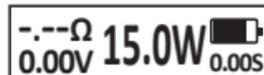
Short Circuit/Atomizer Protection protects the CoolFireIV TC-18650 Personal Vaporizer against shorted atomizers and will stop the unit from functioning in unsafe conditions.

The CoolFireIV TC-18650 features automatic real-time atomizer Ohms detection. If the resistance of the atomizer is lower than 0.07Ω, the LED will light solidly for 5 seconds, the Ohms bar will blink and the CoolFireIV TC-18650 will not power on.

**Check Atomizer:**

If there is no atomizer attached, or the atomizer is not connected properly, or resistance is 3.5 Ohm or above, the OLED screen will display:

“CHECK ATOMIZER”.



-.--Ω 15.0W 0.00S



CHECK  
ATOMIZER

**Overheat Protection:**

The CoolFireIV TC-18650 features automatic real-time PCB Chipset temperature detection. The screen will display “TOO HOT” if the PCB is overheated.

**OLED SCREEN ORIENTATION:**

Hold “+” and “-” button for 3 seconds to flip the horizontal orientation of the OLED screen.

**Remember last Temperature or Wattage setting:**

When the CoolFireIV TC-18650 is turned off it will remember the current Temperature or wattage setting and it will retain the setting when the CoolFireIV 18650 is powered back on.

**Reverse Polarity Protection:**

The Innokin AETHON Chipset is protected from damage caused by reverse polarity. If the 18650 battery is reversed and inserted improperly the CoolFireIV TC-18650 Personal Vaporizer will not fire and the chip will be protected from damage.

Always ensure that you insert the battery in the correct direction by lining up the positive (+) and negative (-) ends of the battery correctly.

#### **Travel Case and Battery Power level checker. (Travel Kit Edition Only)**

The Travel Kit case may be used to carry your CoolFireIV TC-18650 Personal Vaporizer, 18650 batteries, an atomizer and more.

The case has a built in battery level power tester. To use the battery power level tester simply attach each the wired sensors to the positive (+) and (-) side of the batteries. The LED will display the remaining power level.

We strongly recommend that eliquid and metals not be stored in the case with your device and batteries in order to prevent damage.



#### **IMPORTANT Charging Information:**

Charging rates for maximum longevity are 1A when using a reliable charger.

**Never charge batteries unattended.**

If the battery wrap is damaged, stop use **immediately** and replace the battery. If your battery or mod is too hot to touch, discontinue use immediately and get it outside to a safe spot (pavement) in an unpopulated area. Do not touch the device for at least 20 minutes in case of failure.

Always take care of your 18650 batteries and store them properly.

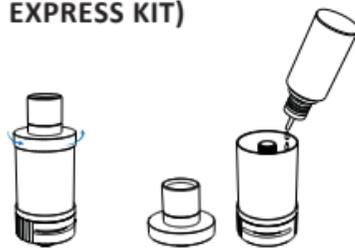
Do not store batteries without a casing, even for a short time **ESPECIALLY IN YOUR POCKET OR BAG.**

To ensure maximum life and capacity you should charge the battery prior to forced shutoff. 10-15%.

### How to refill the iSub V Tank (NOT INCLUDED IN EXPRESS KIT)

#### Refill with eLiquid:

- 1) Push and turn to open the top cap.
- 2) Carefully add eliquid. Do not overfill.
- 3) Close the top cap. Do not overtighten.



#### Replace the iSub Coil:

##### IMPORTANT:

Prime Coils by adding 3 - 5 drops of eLiquid into the center screen.

Wait 2 minutes before vaping.



### WHEN IS IT TIME TO CHANGE THE CLEAROMIZER COIL?

All coils will need to be replaced after a certain amount of use. The time between coil replacements will vary by vaper according to the eLiquid used and personal vaping habits. You will know when the atomizer coil should be replaced when you begin experiencing less performance and taste from your clearomizer. When a new clearomizer coil is used, large vapor clouds and robust flavors will be produced from your e-liquid. The first sign that your coil needs to be replaced is that there will be less vapor production. The second indication that the atomizer coil needs to be replaced is that flavors will become less tasty, and may begin to have a burnt taste. This burnt taste will become more and more apparent as the coil continues to wear out. We recommend that you change the coil at the very first sign of burnt taste and decreased clouds.

#### Replacing a coil:

- 1) Hold the Atomizer / Tank with the threading up.
- 2) Unscrew the bottom Metal cap of the iSub V / Tank
- 3) Hold the coil and gently pull to remove.
- 4) Carefully and safely dispose of the used coil. Keep away from children and pets.

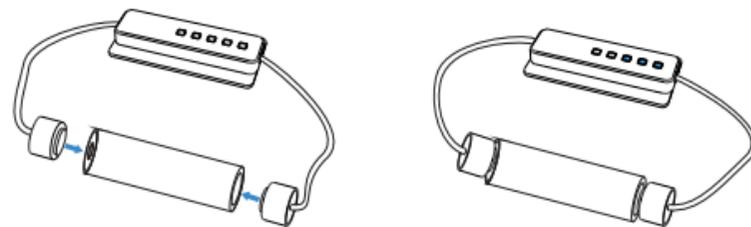
#### CAUTION:

Make sure there is no eliquid in the Atomizer / Tank before you pull out the coil .

- 5) Properly align the flat sides on the base of the new coil.
- 6) Prime the coil and add a small amount of eliquid to the sides of the coil.
- 7) Push to fully insert the new coil firmly into Atomizer / Tank.
- 8) Ensure that the coil is completely inserted.



*The CoolFireIV TC-18650 Travel Kit includes a battery level power tester inside the Innokin CoolFireIV TC-18650 travel case.*



*To use the battery level power tester with compatible 18650 batteries please carefully attach the left and right power lines to the negative (-) and positive (+) contacts of the battery.*

The LED bar will light up according to the level of power remaining in the battery:

- 1 LED - Battery should be charged.
- 2 LED - 25% Power
- 3 LED - 50% Power
- 4 LED - 75% Power
- 5 LED - 100% Power. Battery is fully charged.

**Warning:**

- 1) When not using the Innokin battery level power tester please store the wires and contacts carefully in the travel case pocket.
- 2) Do not spill liquids on the battery power level tester; it should remain dry at all times.
- 3) Do not store the Innokin CoolFireIV TC-18650 travel case in excessively hot or cold environments.
- 4) Do not continue to use the battery level power tester if it becomes damaged.

**Operating Temperature Range:**

**150-315 °C 5°C increments**

**300-600 °F 5°F increments**

Operating Wattage Range: 6.0 - 75W .5watt increments

Precision Temperature Control

Direct Current – Steady Power Output

Balanced Even Coil Heat-Up

Ultra-low External Heat Generation

Dry Hit Detection & Prevention

Ultra Low Standby Power Consumption

### ***Technical Specifications***

**Technical Specifications:**

**Battery:** Replaceable 18650 (not included)

**Maximum output Wattage:** 75W

**Maximum output Current:** 27.5A

**Maximum output Voltage:** 7.5V

**Atomizer Resistance:** 0.1 $\Omega$  (Minimum)

**Temperature Control Mode:** Ni (0.1-0.2  $\Omega$ ), Ti (0.1-0.5  $\Omega$ ), Stainless Steel 316L (0.2-1.0  $\Omega$ ) coils are recommended.

**Important:** Temperature Control is only available with T.C. compatible coils.

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Innokin Subreddit: <https://www.reddit.com/r/innokin>

Innokin Twitter: <https://www.twitter.com/innokintech>