

**Unauthorized - Unofficial - User Guide
Maintenance Manual and General Information
on the M4 and 510 Series Electronic Cigarettes**

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Quit blowing smoke.
Find **the solution** here.

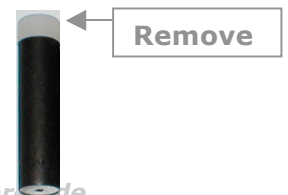
InnoVapor

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Quick Start: Remove the empty mouthpiece; remove the rubber plug from the included cartridge(s). You will fill this cartridge with ULTRApure liquid until the material inside the cart is completely moist. Then insert the filled cartridge on to

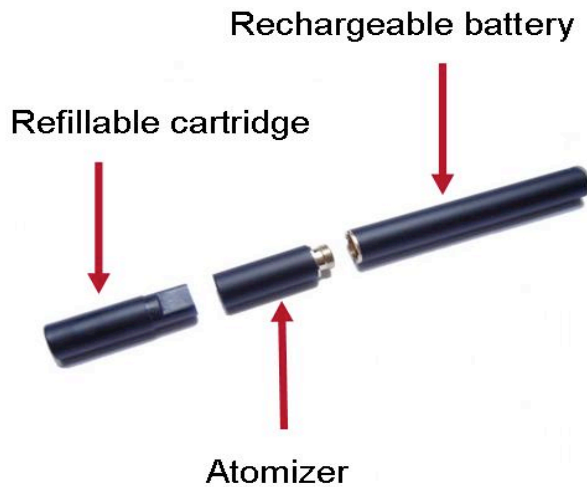


The purpose of this guide is to help you get the most out of your PV. To provide useful information about the electronic cigarette and ULTRApure nicotine liquid. To help those still smoking make an informed decision about whether the PV might be a good alternative for them.

the electronic cigarette. Use as you would a regular cigarette but try to take slightly longer draws, 3-5 seconds.

If you are using a manual device with a button, depress the button while inhaling, some users prefer to depress the button for a second prior to inhaling.

Introduction: The M4 and 510 electronic cigarettes are also called an e-cig or personal vaporizer (PV). It does not produce smoke, it produces vapor (mainly water vapor/steam) and many refer to using the device as “vaping” or to “vape”. This guide will refer to the device as a PV.



Overview: The InnoVapor electronic cigarette consists of 3 parts:

- 1.** The Atomizer (vaporizer).
- 2.** The Battery, it has a blue LED light on the tip, which **glows blue** when inhaling.
- 3.** The Cartridge (mouthpiece, called a cart for short).

The Cart comes in 2 varieties:

Type 1. Empty: This type comes with the atomizer.

Type 2. Filled: This type has two additional pieces internally:

(1) An inner cartridge filled with (2) a piece of polyfill fiber that holds the nicotine liquid that is inside the inner cart. Store with the cart plug.

Basically the empty cart is just a mouthpiece, you will have to “direct drip” on to the atomizer in order to have liquid come in contact with the atomizer so you can vaporize it.

Please review the instructional videos at www.InnoVapor.com , which explain how to refill and top off the carts. These videos also demonstrates how to “direct drip” onto the atomizer. Around 10 minutes each and very informative. There are videos for manual and automatic batteries.

Charging: The battery screws in to the USB charger, do not over tighten the battery when screwing it into the charger, it is not necessary and can ruin the charger/battery. The USB charger will work two ways:

1) With any type of USB wall outlet adapter, like the kind that is used to charge iPods, iPhones etc. (anything that plugs into a wall outlet and has a female USB port on it). These are available at innovapor.com. The charging time is 1-2 hours. The battery’s blue LED light will glow when you activate the E-cig, either pressing the button (manual e-cigs) or inhaling (automatic e-cigs) are the activation triggers. It will blink while you inhale when the battery needs recharging. Several seconds after charging has begun the LED will blink 5 times to indicate it is charging. When charging the M4 the *charger* light will glow solid red and turn to solid green when complete, the 510 charger will flash red when it is charging and turn solid red when charging is complete. USB charging also works through a USB style car charger also available from InnoVapor. Most any device that gives power through a female USB port will work.

2) USB charging through a laptop or desktop computer. If you have a powered external USB hub (that plugs into your computer and the wall) it will also charge your batteries, usually in the standard 1-2 hours. The hub does not have to be plugged into your computer, just the wall. USB charging through a computer works essentially the same as through a wall outlet.

Note: *USB splitter (one male to multiple female) cable can be used with several USB chargers and can charge multiple batteries simultaneously. These are also available from InnoVapor and are a great way not to use up all your USB outlets charging batteries! Charging time is still 1.5 hours.*

Using the PV: Electronic cigarettes are a bit different than a regular smoke so there is a bit of a learning curve. Try and take a longer, steadier drag. **If you take a really long drag, or depress the button on the PV for a long time (longer than 10 seconds the PV has a safety shutoff and will not work for 15 seconds.** This is to prevent damage to the atomizer from over heating. The PV may also stop working if the steel wick in

the atomizer is dry, either top off or refill the cart or direct drip a **couple (2-3, more is not better)** of drops of liquid onto the wick. If the blue LED is not glowing while you're inhaling then the PV is not working, there is a short delay between when you start taking a drag and the LED lights up on the automatic PVs, the delay is less than a second.

Note: *The PV auto battery uses a sensor that is essentially a microphone in order to detect when you are taking a drag. However, **loud noise will activate the battery**, if it activates the battery for longer-than 5 seconds then the auto shutoff will activate. So don't hold the EVO out the window while you're driving, or set it in front of the speaker while you rock out to Neil Diamond. You will figure out what the sensitivity is on your M4 and just be aware of it. I personally have not found it to be an issue.*

Battery Life: Depends on how much you use it (obviously). 2-5 hours on a full charge is the norm. Like most batteries they seem to work better if for the first cycle you run them until dead and then charge them fully. It should be usable for up to 200 charging cycles. It will deliver full vapor production until it dies; there is no decrease in performance between a fully charged battery and a half dead battery. It will work until it stops and will blink to indicate that it needs to be charged. However, the battery will eventually wear out. Having a few spare batteries is a good idea.

Nicotine Liquid: Also called e-liquid, juice... blah, blah. If you're dealing with InnoVapor then the only liquid you will ever get is ULTRApure. There are different strengths of nicotine available in ULTRApure and different flavors. ULTRApure is made in the USA and their ingredients are independently verified for purity. The USA has tight regulations on producing the liquid and this is the purist, best performing liquid available. In fact ULTRApure is manufactured to cGMP pharmaceutical standards in a FDA and DEA approved laboratory, this is the standard that all drugs and medications must meet, insuring the highest levels of quality control.

There are a lot of other liquids under many different names but almost all of them are made in CHINA and have a lot of ingredients (crap you may NOT want to inhale). The Chinese liquids also use propylene glycol, which some researchers have expressed concern about, and some people are allergic to. **ULTRApure uses vegetable glycerol** instead, a much better alternative. ULTRApure lists the ingredients on the bottle and all the ingredients come from the USA. **ULTRApure is the liquid.** ULTRApure and ULTRA premium.

Note: *The stronger the liquid in terms of nicotine content (mg/ml) the stronger the "hit" both in regards to the nicotine buzz and what is often called the "throat hit". Throat hit is like the difference between smoking an ultra light cigarette (little or no throat hit) and a filter-less cigarette (very strong throat hit). Liquid with higher nicotine levels and added flavoring tend to deliver a stronger throat hit. I also find that the longer the vapor is held in the mouth prior to inhale, the stronger the throat hit (could just be me).*

NOTE: Nicotine is poisonous in large doses and readily absorbed through the skin. If you get it on your skin, wash it off. KEEP YOUR LIQUID OUT OF THE REACH OF CHILDREN

Note: Nicotine is light sensitive, meaning that direct exposure to light; especially sunlight will degrade the nicotine in the liquid. **Store your fluid in a cool, dry place and it should have a stable shelf life of 2 years.**

Choosing a Nicotine Fluid: There may be some experimentation required when it comes to picking a strength and flavor of fluid. People smoke cigarettes in very different ways. Some chain smoke ultra lights while others smoke a few full strength cigs a day. The chart on the following page may help you decide what fluid is best for you. **Rest assured that if you get a fluid from me and it does not do the trick, I will exchange it out for a different strength and/or flavor to find what works for you.**

How much did you smoke?	What Type of Cigarette?	My ULTRApure Liquid Strength Recommendation	Flavor Recommendation
Heavy Smoker > 1 pack a day	Regular/Full/ Filter less	Very High	Full or Medium
Heavy Smoker > 1 pack a day	Medium/Light	High	Medium or Light
Heavy Smoker > 1 pack a day	Ultra light	Medium	Light or Ultralight
Medium Smoker 1/2 pack a day	Regular/Full/ Filter less	Very High	Full or Medium
Medium Smoker 1/2 pack a day	Medium/Light	Medium or High	Medium or Light
Medium Smoker 1/2 pack a day	Ultra light	Low or medium	Light or Ultralight
Light Smoker < 1/2 pack a day	Regular/Full/ Filter less	Medium or High	Medium - Light
Light Smoker < 1/2 pack a day	Medium/Light	Medium	Light to Ultralight
Light Smoker < 1/2 pack a day	Ultra light	Low	Ultralight to unflavored
Menthol Smoker	Cigarette Strength	Strength Recommendation	Flavor
Heavy Smoker > 1 pack a day	Regular/Full/ Filter less	Very High	Full
Heavy Smoker > 1 pack a day	Medium/Light	High	Full or Medium
Heavy Smoker > 1 pack a day	Ultra light	Medium	Light or Ultralight
Medium Smoker 1/2 pack a day	Regular/Full/ Filter less	Very High	Full or Medium
Medium Smoker 1/2 pack a day	Medium/Light	Medium or High	Medium or Light
Medium Smoker 1/2 pack a day	Ultra light	Low or medium	Light or Ultralight
Light Smoker < 1/2 pack a day	Regular/Full/ Filter less	Medium or High	medium or Light
Light Smoker < 1/2 pack a day	Medium/Light	Medium	Light or Ultralight
Light Smoker < 1/2 pack a day	Ultra light	Low	Ultralight or Unflavored

The PV as an Alternative to Smoking: It may take you a little while to really get the hang of the PV, you may have to modify your technique from how you used to smoke cigarettes. Take a long drag (aim for 4 seconds) start slow and finish harder (*good advice in general*). **You might have to use your PV more than you did regular cigarettes. Heavy use is normal and is nothing to be worried about; you're breaking a tough habit.** If you are using it so much that you are getting really "buzzed" from the nicotine, try to step down to the next lower strength of fluid. **If you are using the PV with high strength liquid most everyone is able to satisfy his or her cigarette cravings regardless of how much you use to smoke!**

Note: Drink lots of fluid. Some people find that vaping dries them out; quitting smoking in general makes most people feel thirsty. Remember IF **YOU HAVE QUIT SMOKING**. Your body is going to be purging itself from all of the crap cigarettes have deposited in your lungs and on your skin. Productive coughing to clear out your lungs is expected; the way your throat produces mucous will also change as your cells recover from not having to deal with smoke. Some people may break out (acne) as toxins are expelled through the skin. There is a lot of information on the side effects of quitting cigarettes; the Internet provides endless info on the topic so I am not going to go into it. Just remember it may seem like you are still smoking with your PV, you're not. If you were a heavy to moderate smoker enjoy being able to smell, taste and breathe again!

Breaking in: The atomizer on the PV tends to improve with use. The throat hit will also increase in intensity. The atomizer is consumable, it will wear out. If taken care of you should get up to 6,000 draws from a single atomizer. Having spares is a good idea.

Maintenance and Cleaning: Use Isopropyl alcohol (IPA) to clean your PV, it is cheap and effective. This is just simple rubbing alcohol and is sold everywhere, usually 70%. Use IPA on a piece of paper towel or cloth.

Do not pour the IPA on the battery/charger or soak the battery/charger in IPA.

Battery: Clean contacts with IPA dabbed on paper towel.

If you drip too much fluid onto the atomizer then you may have gotten some fluid into the battery, twist up the corner of your paper towel and insert it into the hole in the battery contact and see if it wicks up any fluid. If it does, continue to wick the fluid out until a twisted up corner of the paper is dry.

Charger: Clean contacts with IPA moistened paper towel.

Cartridge - empty: Rinse or wipe down with IPA. Remember this goes in your mouth and mouths are nasty. IPA will sanitize the mouthpiece. Do not forget to do the inside as well, some vapor condensates on the inside when direct dripping using an empty cart.

Cartridge – Polyfill: Rinse with water, I think hot water is better. Soaking in hot water also works. Firmly pat dry with a paper towel. Clean inner cart the same as outer cart.

Atomizer:

Regular Cleaning (every day to few days, or if the draw on the PV is harder than normal)- Drain the atomizer by:

Leaving it upside down (wick side down) on a piece of paper towel to gravity drain the fluid out of the atomizer.

Heavy Cleaning (Once a month, or if the atomizer doesn't seem to be working correctly):

Step 1. Rinse atomizer in hot water: 3 different ways to do this -

1. Using tweezers hold the atomizer under the faucet and let hot water run over it for 2-3 minutes. Do not drop in down the drain!
2. Soak in very hot water for 3-5 minutes.
3. Boil it for 3 minutes. **(NOT IN THE MICROWAVE)**

Just use one of the above methods, and continue to step 2.

Step 2. Soak atomizer in Isopropyl (IPA) for 3-5 minutes.

Step 3. Rinse with hot water like in Step 1 but only for a minute.

Step 4. Let atomizer dry by blowing it out and resting it wick side down. This will require you letting the atomizer dry an hour or more (the hotter the water the less time it takes to dry) or do another quick dip in the IPA and let drain, this will have the atomizer dry in a few minutes after blowing it out and draining it wick down on a paper towel.

I use the IPA method, lack of patience.

Note: After cleaning the atomizer the wick will be very dry. If you're going to use a pre-filled cart, first direct drip 3-4 drops (taking time to let the drop soak into the wick before dropping again) and then place the cart on the PV and vape. If you're going to direct drip with an empty cart first direct drip 3-4 drops, taking time to let each drop soak in, take a drag or two (vapor production will likely be weak or stop after fewer drags). Direct drip 2 more drops and take a couple drags. Repeat this until your vapor production is back up to full strength.