

PROTOVAPOR

XPV



Thank you for purchasing the **Protovapor XPV** personal vaporizer. We hope this device will provide many years of enjoyment!

INCLUDED IN PACKAGE

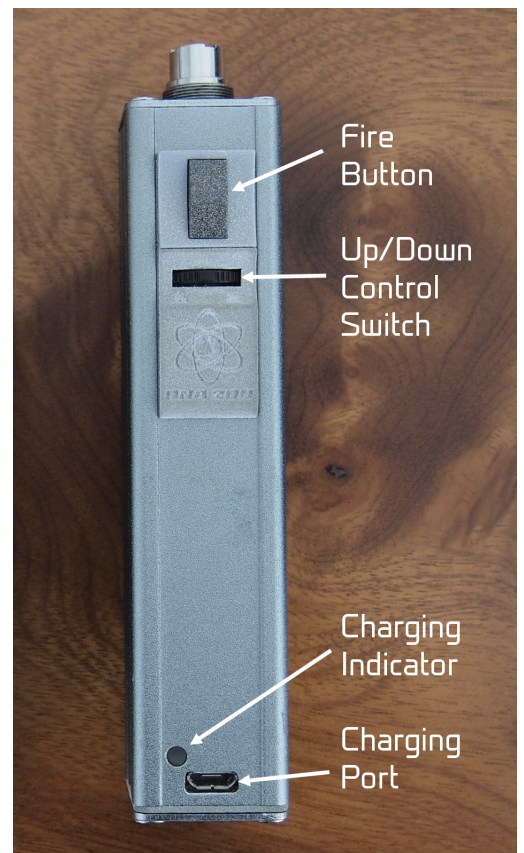
- ▶ Protovapor XPV Personal Vaporizer
- ▶ USB-to-Micro USB charge cable
- ▶ 510-to-Ego adaptor (optional)

OPERATING INSTRUCTIONS

Charging

Never charge device unattended!

1. Connect a micro-USB cable from a USB charging source (500mA minimum) to the XPV device via the port near the bottom. The indicator next to the port lights red when charging and green when charging is complete.
2. The device can be used while charging. If the battery gauge reads very low, it may need to be charged for at least



10 minutes before use, especially at high wattage settings.

3. Normal charge times from empty are 3-5 hours for the XPV (standard battery).

4. The XPV should be almost fully charged upon delivery from Protovapor. It can be used immediately.

General operation

1. Attach atomizer device containing e-juice to the connector at the top of the unit. **DO NOT OVERTIGHTEN!**

2. Adjust wattage of device using up/down control switch under the fire button. Start low if you do not know the wattage at which your atomizer works best.

3. Depress firing button and hold while drawing on the atomizer device.

DNA 300 INFORMATION

Your XPV is powered by the DNA 300 board by Evolv Vapor.



Display information

Watt setting (W): The power level currently set on the DNA 300.

Battery indicator (Icon): The current state of charge of the battery.

Volts display (V): The current or most recent output voltage being supplied to the atomizer.

Ohms display: (Ω) The resistance of the atomizer attached to the device. This is measured only when the unit is supplying power to the atomizer. At other times, it shows the most recent measurement.

Other modes

Locked mode: Pressing the fire button five times with less than .7 seconds between presses will cause the device to enter Locked mode. In Locked

mode, the device will not fire and the output power will not adjust accidentally. While in Locked mode, the screen will be off, except that pressing a button will show "Locked, Click 5X". To exit Locked mode, press the fire button 5 times.

Stealth mode: While locked, pressing the fire and down control simultaneously for five seconds will switch to stealth mode. In this mode the display is off. It will still show error messages and the "Locked, Click 5X" advisory. To switch back to normal display mode, from locked mode press the fire and down control simultaneously for 5 seconds. This setting is stored to internal flash memory, and remains if power is removed.

Right Mode and Left Mode: While locked, holding the fire and up control simultaneously for 5 seconds flips the display. This allows for maximum flexibility, as well as accommodating left handed vapers. This setting is stored to internal flash memory, and remains if power is removed.

Power Locked mode: Pushing the up/down control switch in for 4 seconds will place the device in Power Locked mode. In this mode, the mod will operate normally, but you will not be able to change the power setting. This mode prevents accidental power level changes. To exit Power Locked mode, push the control switch in for 4 seconds.

Error Messages

The DNA 300 will indicate a variety of error states. **Note:** It is normal for the DNA 300 to occasionally display one or two error messages upon wake-up from sleep. These can be ignored.

Check Atomizer: The DNA 300 does not detect an atomizer, or the atomizer has shorted out.

Check Battery: The battery is below 3.1 volts. It probably needs to be charged.

Weak Battery: The battery sags excessively when firing. This typically means the user is not using a high rate battery, or the battery is old and degraded. It can also mean the battery is not making good contact.

Too Hot: The DNA 300 has onboard temperature sensing. It will shut down and display this message if the internal temperature becomes excessive.

Too low power setting: The DNA 300 puts out a minimum of about 3.2-3.5 volts. With low power settings (7 to 8 watts) and low resistance atomizers (below 2 ohms) the DNA will sometimes be unable to provide a low enough voltage output to be power regulating. If this is the case, the Ohms display will be flashing. The device will still operate.

Device resets: If the battery is not able to power the device at the desired setting, or the battery is excessively discharged, the device may go immediately into a low voltage shutdown. If firing the device causes the screen to blank out and then display the welcome screen, you should charge your battery. This is especially common at power settings above 20 watts.

Auto power down

The screen will be at full brightness while firing. After 15 seconds with no button presses, the screen will dim. 2 minutes after the last button press, the screen will fade out and the device will go to sleep mode. Pressing any button will turn the device and display back on.

ADDITIONAL INFORMATION



Low-profile 510 Connector

The XPV has a non-adjustable atomizer connector pin. If the atomizer device does not contact the connector pin correctly, the XPV will give a "Check Atomizer" error. Check for liquid pooling in the pin area, and occasionally wipe the connector clean of juice and condensation. Most atomizers can screw flush with the connector but those that have center pins that extend far below outer threading may bottom out. Do not force the atomizer to screw down, damage to the connector's insulator may result.

Maintenance

The XPV requires no regular maintenance. The device should operate trouble-free through the life of the battery. Please take care not to allow e-liquid, water or other foreign substances to enter the device through the controls, USB port, etc. Casing can be cleaned with a dry or damp cloth if needed. Do not use abrasive or caustic cleaning products.

The display screen is protected by a plastic cover. Clean this cover with a microfiber lens cloth. Blow off any foreign objects or dust on the surface first, or scratching could result.

Occasionally, check the tightness of the screws in the top and bottom of the casing.

Replacing battery

The battery of the XPV is connected with a push connector. It can be replaced without special tools. This is intended to only be done when the battery reaches the end of its life. New batteries with appropriate connectors are available from Protovapor. Protovapor will install new batteries purchased from us free of charge (customer covers shipping).

LIMITED WARRANTY

The XPV is covered for a period of 90 days from purchase against defects in workmanship and materials. Internal components including the DNA 300 board are covered for a period of 1 year from purchase.

Repairs

Repairs on all components of the XPV are available from Protovapor.

SPECIFICATIONS

- Output wattage:** 7-30 watts
- Output voltage:** 3.2* to 8.3 volts
- Output current:** 6 amps max
- Atomizer resistance:** 0.3** to 3.3 ohms
- Efficiency:** 94%

* Approximate, and varies with battery charge state. Approx. 3.5v fully charged.

** Approximate