SUNBOX   USER MANUAL

Read carefully the instructions contained in this sheet before using your new SunBox device.

This SunBox device needs an atomizer and one li-ion battery in order to work. Ask your trusted dealer to know which atomizers and battery size are required.

GET YOUR SUNBOX DEVICE PREPARED AND HOW IT WORKS

1 – INSTALL THE ATOMIZER
SunBox device is not equipped with atomizer. Regarding the atomizer use, please refer to the atomizer producer instructions.

BF AND TANK DEVICES: Put one of the supplied o-rings into the central compartment of the catch cup. Screw the atomizer into the catch cup.
If necessary, adjust the catch cup pin height before installing the atomizer: use the supplied hex key or a flat screwdriver, depending on the pin type, and screw the pin clockwise to lower it, counterclockwise to raise it.
NOTE: do not adjust the pin height when the battery is in the device: it could cause short circuits.

BORO DEVICES: Remove the front door. Insert the Boro tank with bridge atomizer into the special compartment and reposition the front door. Screw the drip-tip, but not too tight to avoid damaging the contacts.

FOR BF DEVICES ONLY: Take out the bottle by sliding it through the bottom opening. Unscrew the bottle cap and fill the bottle with personal vaporizer liquid. Do not fill to the top, leave some space. Screw the bottle cap again and insert the bottle. The correct positioning is when you can hear a light "clack" sound.
NOTE: Do not insert into the bottle any liquid which is not for personal vaporizer. Use personal vaporizer liquid only.

2 – INSERT THE BATTERY
SunBox device is not equipped with battery. Regarding the use and the battery charge, please refer to the producer instructions.
To install the battery in the device, unscrew the battery cap and insert one 18650, 18500 or 18350 battery, depending on the SunBox version. The correct position is when the battery negative pole is in contact with the battery cap, and the positive pole is in the opposite position than the battery cap. Screw the battery cap until it makes contact to the negative battery pole. Do not screw too tight.

ATTENTION: do not insert the battery in the opposite way. Unscrew one turn the battery cap if you will not use the device in the next hours. Do not use batteries that are different from the intended ones. Check that the battery skin is not broken before inserting it into the device.

3 – HOW TO USE THE DEVICE
Press and keep pressed the fire button during inhalation. Release the button at the end of inhalation.
We suggest to use the fire button lock mode when you carry the device in your pocket or handbag to avoid pressing it accidentally.
FOR OMEGAVAPER BOMBER DEVICES: 3 fast clicks to lock/unlock the fire button.
FOR EVOLV DNA DEVICES: 5 fast clicks to lock/unlock the fire button.
FOR DICODES DEVICES: please refer to the instructions on the brochure you get when you purchase the device.

NOTE: do not press the fire button if you are not using the device. The device must not be used in any other way than intended.

WARRANTY

SunBox cannot be held responsible for any damage to property or people caused by use or misuse by user.
Warranty is void if an attempt is made to disassemble, modify or tamper the device in one or more of its parts.
This warranty is valid only for original SunBox products, and before 90 days from the final user purchase date.
Please consult SunBox distributors for further information about warranty.
Warranty is not valid for parts that are not SunBox products, like the circuit or the electronic board. Therefore, SunBox cannot be held responsible for any damage to property or people caused by the use of this device.

WARNINGS AND CONTRAINDICATIONS

Keep the device out of the reach of children and pets.
This product is not recommended for use by minors, non-smoking, pregnant and breastfeeding women, people allergic to nicotine or to other substances contained in personal vaporizer liquids.
This device must be used by experienced users only.
Do not install in the device atomizers or components that are not planned to be used with this device.
Please have this product repaired by official SunBox technicians only. Do not attempt to repair the device by yourself because it can cause damages or injuries.
Do not expose the device to high temperature or humidity because it could get damages. The appropriate operating temperature is between -10° C and 60° C. Keep away from water.
The use of this product can cause damage to health. It is recommended to discontinue use in case of adverse reactions.

DNA 60 MANUAL

taken from Evolv website. You can read the complete user manual at: https://downloads.evolvapor.com/dna60.pdf

The DNA 60 is a power regulated digital switch-mode DC-DC converter for personal vaporizers. It features Evolv's patented Wattage Control, Temperature Protection, Preheat, OLED Screen, Reverse Polarity Protection, and waterproof onboard buttons. The DNA 60 runs from a single lithium polymer or lithium ion battery, and features battery monitoring.
A Micro USB satellite board for 1 Amp charging and data connection to customize or monitor the user experience via EScribe is also available separately.

Temperature Protection
The DNA 60 directly measures and limits the temperature of the heating coil during operation. By preventing the coil from becoming too hot regardless of fluid, wicking or airflow, a variety of undesirable situations can be prevented. For example, appropriate temperature settings will prevent the wicking material from charring, which compromises taste and introduces unintended chemicals into the vapor. Appropriate temperature settings will also reduce the breakdown of flavoring and base liquid components, which could impact taste or safety.
Evolv's Temperature Protection Technology requires a heating coil made from Nickel 200 alloy or other materials with a well-defined temperature coefficient of resistance, rather than Nickel Chromium or Kanthal alloys. If the temperature reaches the maximum value, the wattage applied to the atomizer coil is reduced to prevent overheating. Please note that the temperature reading is the average temperature of the atomizer coil, and care should be taken to construct the heating coil so that the temperature is uniform, without hot or cold spots.
Because wattage, not temperature controls vapor volume, large vapor volumes can be produced without unnecessarily high temperatures. Temperature Protection is most helpful if the atomizer begins to dry out, the user pauses during a puff, the beginning or end of the puff, or if the wattage setting is inappropriate for the attached atomizer.
In normal operation, when the device is not firing the maximum temperature setting is displayed on the screen. When the device is firing, the actual average temperature of the coil is displayed on the screen.

By default, the Temperature Protection setting is 450° Fahrenheit. To change the limit:
1) Lock the device by pressing the Fire button five times.
2) Hold down the UP and DOWN adjust buttons for two seconds.
3) After two seconds, the maximum temperature will be displayed, and the UP and DOWN buttons should be released.
4) Use the UP and DOWN buttons to adjust the maximum temperature
5) When the display shows the desired maximum temperature, press the Fire button to exit temperature adjust mode.

The maximum temperature is adjustable between 200° Fahrenheit and 600° Fahrenheit. To disable the temperature protection entirely, adjust the limit up to 600 degrees, then press the UP button one additional time. The temperature limit will read OFF.
To switch to Celsius temperature, adjust temperature down to 200° Fahrenheit, then press the DOWN button one additional time. The temperature will switch to reading and adjusting in Celsius.

Preheat
When the DNA 60 is used with a temperature sensing atomizer, an additional feature called Preheat is activated. No vapor is produced when the temperature is below the boiling point of the liquid. Preheat applies extra power until the heating coil is up to operating temperature to shorten the delay between pressing the fire button and generating vapor. Because preheat is temperature based, it will not overheat or burn the vapor.

Attaching a New Atomizer
The DNA 60 uses the resistance of the atomizer to calculate the temperature of the heating coil. It continually looks to see whether a new or changed atomizer has been connected. If you are using temperature protection, be careful to only attach new atomizers that have cooled to room temperature.
If a new atomizer is attached to the DNA 60 before it has cooled down, the temperature may read and protect incorrectly until the new atomizer cools.
When you connect a new atomizer or disconnect and reconnect your existing atomizer, the DNA 60 will prompt you to confirm this change. When you fire the first time, before activating the DNA 60 will prompt "New Coil? UP YES/DOWN NO". When you see this prompt, if you have attached a new atomizer, press the UP button. If you have disconnected and reconnected the same atomizer, press the DOWN button.

Operation
Basic operation of the DNA 60 is as follows. To wake the device from power off state, tap the Fire button. To generate vapor, press the Fire button. To change the wattage setting for more or less vapor, click or hold the Up and Down buttons.

Display
Watt setting: The power level currently set on the DNA 60.
Battery indicator: The current state of charge of the battery.
Temperature display: When not firing, the maximum heating coil temperature setting. While firing, the actual temperature of the heating coil is displayed.
Volts display: The output voltage being supplied to the atomizer.
Ohms display: The resistance of the atomizer attached to the device. When using a temperature sensing coil, this is the normalized resistance of the coil at 70°F

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, holding the fire and down buttons simultaneously for five seconds will switch to stealth mode. In this mode the display is off. It will still show error and lock messages. To switch back to normal display mode, hold down the fire and down buttons simultaneously for 5 seconds. This setting is stored to internal flash memory, and remains if power is removed.

Power Locked mode: Holding down both the up and down buttons for two 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 due to the buttons being pressed while in a pocket. To exit Power Locked mode, hold the up and down buttons for two seconds.

Resistance lock: The DNA 60 relies on the cold resistance of the atomizer to measure temperature accurately. If the connection is not stable or if you find the measured resistance drifts with time, it may be desirable to lock the atomizer resistance. To do so, while locked hold both the Fire and Up buttons for two seconds to enter Resistance Lock mode. In this mode, the DNA 60 will use the present atomizer cold resistance without refinement until the atomizer is disconnected or the resistance lock is disabled. A lock symbol will replace the ohm symbol on the display. To disable resistance lock, repeat the procedure to lock it.

Max Temperature Adjust: From Locked Mode, holding down both the up and down buttons for two seconds will place the device in Max Temperature Adjust mode. Once this mode is entered, the max temperature will be displayed. The up and down buttons are used to adjust the max temperature. To save the new temperature setting and exit, press the Fire button.

Error Messages

The DNA 60 will indicate a variety of error states.

Check Atomizer: The DNA does not detect an atomizer, the atomizer has shorted out, or the atomizer resistance is incorrect for the power setting.

Shorted: The atomizer or wiring are short circuited.

Weak Battery: The battery needs to be charged, or a higher amp rate battery needs to be used. If this happens, the DNA 60 will continue to fire the atomizer, but will not be able to provide the desired wattage. The Weak Battery message will continue to flash for a few seconds after the end of puff.

Check Battery: The battery is deeply discharged and needs to be charged, or is damaged. If this happens, the DNA 60 will not fire the atomizer. The Check Battery message will continue to flash for a few seconds after attempting to fire the device. User should remove and replace the battery.

Temperature Protected: The heating coil reached the maximum allowed temperature during the puff. If this happens, the DNA 60 will continue to fire, but will not be able to provide the desired wattage.

Ohms Too High: The resistance of the atomizer coil is too high for the current wattage setting. If this happens, the DNA 60 will continue to fire, but will not be able to provide the desired wattage. The Ohms Too High message will continue to flash for a few seconds after the end of puff.

Ohms Too Low: The resistance of the atomizer coil is too low for the current wattage setting. If this happens, the DNA 60 will continue to fire, but will not be able to provide the desired wattage. The Ohms Too Low message will continue to flash for a few seconds after the end of puff.

Too Hot: The DNA 60 has onboard temperature sensing. It will shut down and display this message if the internal board temperature becomes excessive.

Auto power down
The screen will be at full brightness while firing. After 10 seconds with no button presses, the screen will dim. 30 seconds after the last button press, the screen will fade out and the device will go into sleep mode. To wake the device, press the fire button.

Escribe
Escribe is a software package used to configure, monitor and modify the operation of your DNA 60. It installs on a Windows PC and connects to your DNA 60 using the USB port. Escribe has a separate manual and tutorials which can be found on Evolv's site.