

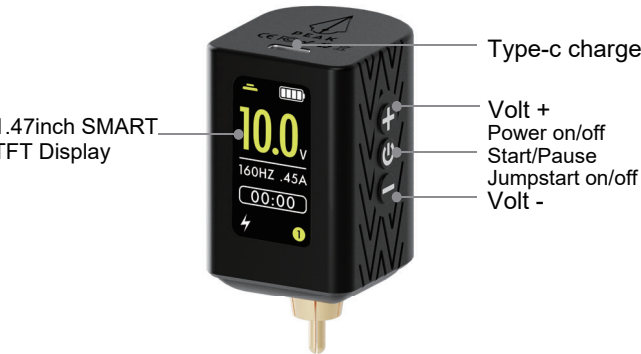
USER MANUAL



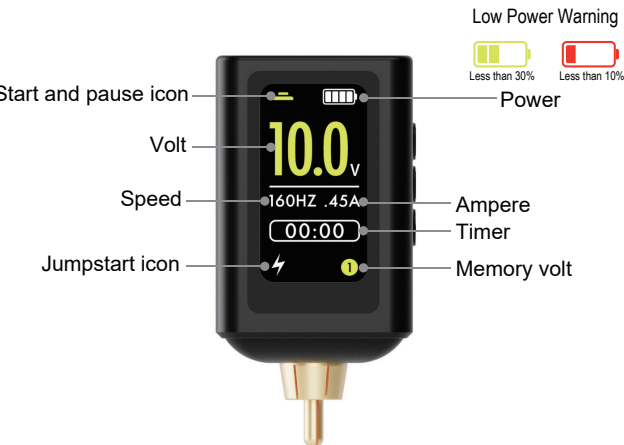
Product Specification

Material	Plastic
Display screen	1.47inch SMART TFT Display
Battery Capacity	Po-li battery 2000mAh
Charging	Type-C port
Charging time	50mins 18W fast charging adappor
Net Weight	77g

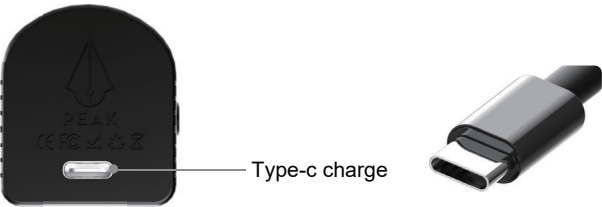
Product Diagram



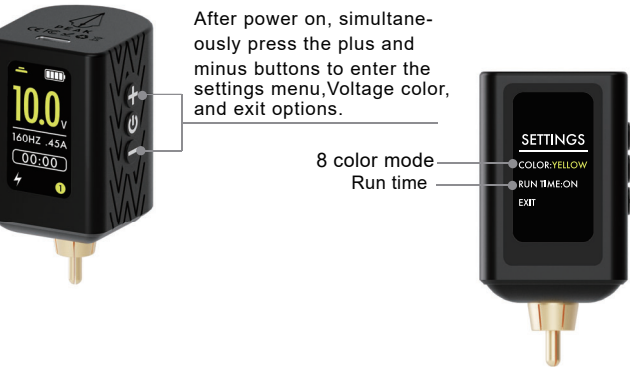
Display interface:



Charging:

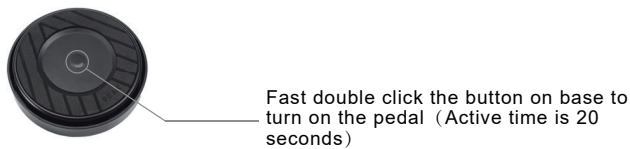


Settings

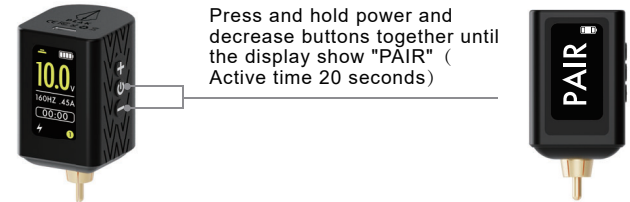


How to pair with Radix?

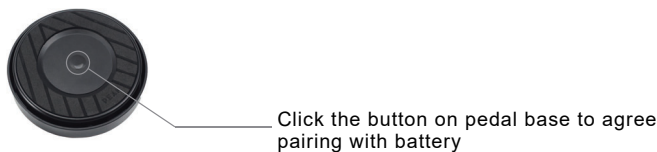
Step1 :



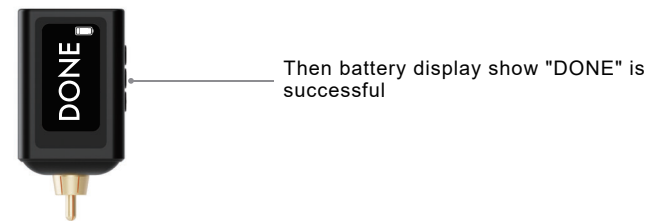
Step2 :



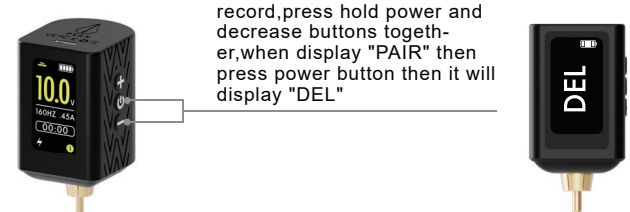
Step3 :



Step4 :



Step5 :



Operate Instructions

- 1、Power On: Press and hold the power button for 2 seconds to turn on the device. The screen will display the previous voltage and enter standby mode. Press the power button to start/pause operation.
- 2、JumpStart Mode: Fast Double-click the power button to enter JumpStart mode. The screen will display a lightning symbol. JumpStart Mode output will be at 9V for 0.3 seconds before returning to the current voltage.
- 3、Voltage Adjustment: The voltage can be adjusted 4-12V. Press the +/- buttons to increase or decrease the voltage by 0.1V. Long-pressing the button will rapidly increase or decrease the voltage.
- 4、Memory Voltages: You can preset 3 memory voltages 1/2/3. Long-press the Power button to switch between memories When output is activated. Click +/- buttons can adjustment the memory voltages and it will be auto-saved after adjustment.
- 5、Timer: The timer will only reset after shutting down by long-pressing the power button, and the device will enter sleep mode and screen-off after 3 minutes of no output, and the timer will pause. Press any button to wake up the screen, and then press the power button again to start work and continue the timer. The timer will not reset during plugging and unplugging the cord when is charging.
- 6、Brightness: If no buttons are operated for more than 10 seconds during power operation, the screen brightness will automatically decrease by 50%. Press any button to restore the normal brightness of the screen.
- 7、Power Off: Press and hold the power button for 2 seconds to manually power off the device.
- 8、Support fast charging and charging while using.
- 9、Wireless connect with Radix pedal.
- 10、Settings: After power on, simultaneously press the plus and minus buttons to enter the settings menu, Voltage color, Timer on/off, and exit options.
 - 1)Volt Color: Click the +/- button to switch to the color option, click the power button to select the color, there is eight color modes are available, after the color is selected, press the +/- button to switch to Exit to exit the Settings.

COLOR:
WHITE、BLUE、TEAL、GREEN、PINK、YELLOW、RED、BY VOLT:
4.0-4.9V WHITE
5.0-5.9V BLUE
6.0-6.9V TEAL
7.0-7.9V GREEN
8.0-8.9V PINK
9.0-9.9V YELLOW
10.0-12.0V RED
 - 2) RUN TIME: ON/OFF (PEAK) Timing off mode (Home timer position shows PEAK)
 - 3) EXIT

SAFETY PROTECTION

1. Output Protection: Short circuit and Over-current protection.
2. Input Protection: Battery short circuit overcharge and over-discharge protection, Electric board over-current, overcharge, over-discharge protection.
3. Low power protection: Automatically stop output when the power is less than 3%.

Error Warning

E1 Short Circuit Protection

Fault Instruction: When the screen displays E1 code for short circuit protection is triggered, and then return to the standby screen after 3 seconds. This fault is mostly caused by motor damage or short-circuit of connection line.
The troubleshooting steps are as below:

- 1: Take apart the shell, start to test whether the transmission system can operate normally or exchange the motor drive and battery pack to test.
- 2: Check whether the motor is loose and causes short-circuit of connection line. After troubleshooting, clean the drive parts, and re-grease to assemble to ensure the smooth operation.

E2 Overcurrent/Overload Protection

Fault Instruction: When the screen displays E2 code for overcurrent protection is triggered, and then return to the standby screen after 3 seconds. This fault is mostly due to the fitting drive parts are stuck or the internal screw is loose, causing the motor is blocked and cannot run normally.

The troubleshooting steps are as below:

Take apart the shell, check whether the drive parts and the fixing screws are loose, causing the drive parts are stuck.
After troubleshooting, clean the drive parts, and re-grease to assemble to ensure the smooth operation.

E3 Charge Fault Protection

Fault Instruction: When the screen displays E3 code for charge fault protection is triggered. When the charging voltage is less than 4.3V, E3 code slowly blinks 5 times every 1 minute and then return to the charging state. If the

charging voltage back to more than 4.5V, the normal charging state is restored, the battery starts charging at 3% and if it is not fully charged for more than 3 hours, the system will detect and also display E3 code.

The troubleshooting steps are as below:

- 1: Please replace the charging cable or charger.

Above E1/E2/E3 fault Instructions, if the fault cannot be solved by the corresponding methods, please return to the factory for maintenance.

E1

Short circuit protection

E2

Over current protection

E3

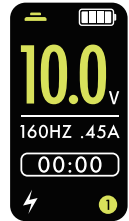
Charging failure

Forced Reset

When the device is powered on, press and hold the power button for over ten seconds, and release it after the screen lights up again, the software will reset to factory settings.



Press and hold the power button for over ten seconds



Reset Display

Version Display

When the device is powered on, Press and hold the power button (⊕) and plus button (+) both for more than 5 seconds. The screen will display version information for 5 seconds and then return to the normal interface.

Software Version

V1 6.7

Hardware Version

240618

Production Lot

Warranty

The unit warranty repair for a period of 1 years from the original date of purchasing. If you discover a defect in a product covered by this warranty, we will repair the item for free. Proof of purchase in the form of a sales receipt must be provided for warranty repair.

Exclusions: The warranty does not coverage extend to damage caused by misuse, abuse, unauthorized modification, improper storage conditions, lightning, or natural disasters. The warranty does not cover parts that are subject to normal wear and tear, such as power cords.

Limits of Liability: Should the product fail, your sole recourse shall be repair or replacement, as described in the preceding paragraphs. We will not be held liable to you or any other party for any damages that result from the failure of this product. Damages excluded include, but are not limited to, the following: lost profits, lost savings, lost data, damage to other equipment, and incidental or consequential damages arising from the use, or misuse of this product. By installing or using the product, the user accepts all terms described herein.

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.