

VECTOR

Wireless device

revolution in the industry
of permanent makeup

DEFENDER



Defenderr is the first company to develop and to release a wireless PMU device with a built-in interchangeable needle stroke mechanism.

VECTOR has everything a PMU artist dreams of—a versatile and manoeuvrable device, which can be fully adjusted to work with any technique very easily.

Engine

In the core of the device there is an innovative new-generation engine developed specifically for Defenderr. Because of it the work of the device is smooth, accurate and silent.

The engine is reliably protected from overload, short circuit and overheating when working for a long time.

Voltage

4 - 12 V

adjustable directly on the device

Mobility and comfort

Choosing a wireless device, you expand your capabilities, freeing yourself from wires and the restrictions associated with them. However, the device can operate not only from a battery, but also from a standard unit through an additional adapter with an RCA connector.

- **Continuous battery life: \approx 5 hours**, depending on the selected voltage and needle stroke.
- **The included extra battery** allows to switch very quickly, doubling the battery life.
- **The battery charges in 2 hours** via a standard universal USB Type-C clip cord.



Built-in eccentric

The VECTOR device combines three devices in one, because it is equipped with 7 interchangeable eccentrics, which could be switched easily on the maniple.

A **short needle stroke** will work perfectly with high coverage coloring and linear technique; **the medium stroke** is suitable for powder and air spraying, while **the long stroke** allows you to work with deeper layers to make tattoos or work with thicker skin.



Ergonomic body

The device is designed based on the requirements of the leading artists. The device has almost no vibration, sits comfortably in the hand and has an anti-slip coating. Removable battery fits tightly and securely to the manipule for stable contact.

Despite the fact that the device is heavier due to powerful filling, it is quite comfortable to hold it: **the center of gravity is perfectly balanced** so that the master does not feel any pressure during work.

VECTOR is a collapsible device that is subject to service maintenance and replacement of all its parts in case of breakage.

Easy navigation

VECTOR is equipped with a new generation processor that provides flawless control. The LED display responds to your touch instantly, allowing you to adjust the power of the device comfortably.



- ✓ Battery indicator.
- ✓ Timer for calculating working time, which can be paused.
- ✓ Jump-start function (for working with hard tattoo cartridges).

Control

Holding down the power button turns the device on and off.

A quick double-click on the power button turns the Jump-start feature on and off.



Adjustment step 0,1 V

Short press of the central button - pause.

- 1 Needle stroke adjustment
*putting the device on hold beforehand is recommended
- 2 Needle stick-out adjustment



Specifications

Lengt	123 mm
Adjustable needle hang out	2.4 2.7 3.0 3.3 3.6 3.9 4.2 mm
Weight	188 g
Motor power	8 V
Rotational speed	6.500 rpm
Voltage	4 – 12 V
Weight with box	496 g
Equipment	device, 2 batteries RCA adapter RCA clipcord, charging cable
Box size	16.6 × 11.1 × 7.1 cm
Warranty and maintenance service	1 year

Colors

Stealth, Gunmetal,
Chromium, Baby Blue



Designed in the USA

Battery

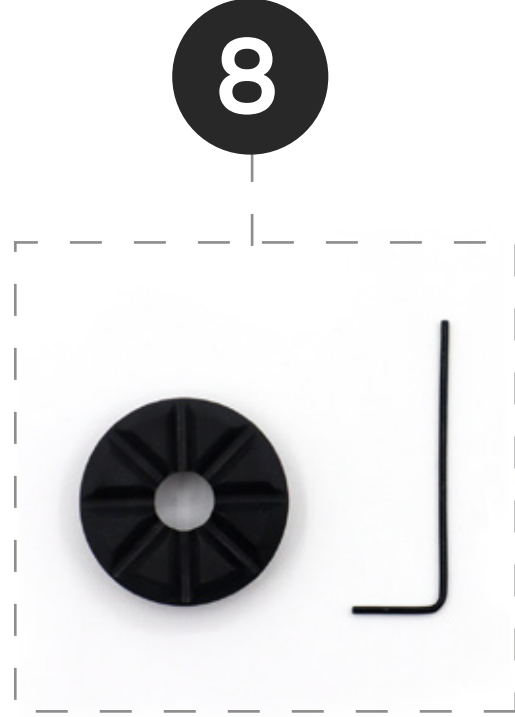
Capacity	1500mAh
Type	polymer lithium
Charging time	2 hours
Battery life	≈ 5 hours
Charger	DC 5V/2A (Type-C USB cable)
Safety	protection from short circuit, overcharging and overdischarging



Equipment

Device, 2 batteries, RCA adapter
RCA clipcord, charging cable,
Friction Stabilizing O-Ring.





- 1 – Swivel holder
- 2 – Cartridge slot
- 3 – RCA slot
- 4 – RCA adapter
- 5 – RCA clip cord
- 6 – Battery

- 7 – Charging USB Type-C
- 8 – Repair kit
- 9 – Friction Stabilizing O-Ring
- 10 – Warranty card

Installing the battery



Detaching the battery



Installing the RCA adapter



Detaching the RCA adapter



Features

■ Pls load needle at the unit was paused, dont attach needle when machine is running.

- Machine will start with previously adjusted Voltage.
- Charging bar will appear and run when is charging.
- TIMER start to working when machine is running and colon is blinking as well, when the unit is paused or stopped, TIMER will be paused or stopped, Timer record will be cleaned when the unit is turned off.
- Both for wire and wireless, when is power off you can attach RCA adaptor connect with RCA cord to continue working.
- The unit will automatically switch off if no output for 5 minutes.



Error remind

E1: The display shows E1 which is short circuit protection. Restart the unit to run again. If it cannot be activated, please switch the battery pack to another pen to check if it is working. If it does not work, please replace another battery pack. If it can work properly, it will be a motor problem.

E2: The display shows E2 which is overcurrent protection. Please open the tattoo pen to check if the motor is stuck or damaged, and check the hardness of the needle, replace a soft needle to try again.

E3: The display screen shows E3 means charging failure, please replace the charging cord or charger.



Warranty

Device will be covered by a 1-year warranty from the date of purchase.

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.

The warranty covers factory faults and does not apply in the following cases

- The device was damaged due to aggressive non-alcoholic antiseptics.
- The device was damaged due to mechanical damage, falling and hitting a hard surface.
- The device has signs of corrosion.
- The device was used for improper purposes (i.e. not for permanent make-up and tattooing).
- The device was completely immersed in alcohol or any other liquid.
- The device was immersed in an autoclave, oven or ultrasonic bath.

- The device was disassembled or underwent self-repair (without the manufacturer's permission).
- The device or its components have been changed.

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.



What can I do in case of malfunction of the device?

Send an email to

service@defenderrsupply.com with a description of the problem. Please, attach a video to the letter in order for us to make primary diagnostics and find a solution. Estimated response time is 3 business days.

Keep your receipt and warranty card for one year after purchase.

Can I get my machine repaired after the end of the warranty period?

You can send the device for diagnostics and repair at your own expense. Send an email to **service@defenderrsupply.com** with a description of the problem to find out the exact cost of the repair. For a more efficient solution to the problem, attach a video to the letter so we can make a primary diagnostic.

DEFENDER

**For partnership
and cooperation**

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