



**Wireless  
Machine**



## PEAK SOLICE ergo Wireless Machine User Manual

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**PEAK SOLICE ergo Wireless Machine**



## UNLOCK NEXT-LEVEL CONTROL AND PRO-GRADE HYGIENE

THE PEAK SOLICE ERGO OFFERS ARTISTS UPGRADED COMFORT, CONTROL, AND CLEANLINESS.



## PEAK SOLICE ERGO INTRO

### UNLOCK NEXT-LEVEL CONTROL AND PRO-GRADE HYGIENE

The Peak Solice Ergo is your ultimate tool for creative conquest and pushing boundaries. Designed as a seamless companion to the Ergo Disposable Shield Grips, it's the first non-FK Irons machine to unlock their game-changing hygiene and efficiency. But with or without the grips, the Solice Ergo delivers smooth power and next-level control you need to explore new creative frontiers.



## KEY FEATURES

### Hygiene-First Design

- Fully compatible with Darklab's Ergo Shield bestselling disposable grips
- Enhances safety and cleanliness for a more efficient workflow

### True Wireless Freedom

- 1800mAh USB-C rechargeable battery for long-lasting power
- Ergonomic, lightweight body for easy maneuverability
- Spare battery packs available separately

### Hertz-Based Speed Control

- Displays speed in Hertz (Hz) instead of voltage
- Provides precise needle movement tracking, eliminating guesswork
- Ensures better control across all tattooing styles

### Smart, Full-Color TFT Display

- Real-time readouts for speed, RPM, and session tracking
- Improves visibility and focus while tattooing

### Powerful Performance

- Brushless motor with direct drive for smooth and consistent operation
- Designed for all tattooing styles with optimal precision

### Artist-Favorite Stroke

- Fixed 4.0mm stroke for versatility and power
- Optional 3.5mm cams available for customized performance

## COLOR OPTIONS

Available in Matte Black, Matte Grey, and Matte Pink

## SOLICE ERGO COMPONENTS



## TECHNICAL SPECIFICATIONS

- **Net Weight (with battery):** 207g
- **Grip Diameter:** 4"
- **Machine Length:** 5.25"
- **Wireless Operation:** Yes
- **Bright, full-color TFT readout screen Construction:** High-quality aluminum body
- **Fixed Stroke:** 4.0mm; 3.5mm spare cam available separately
- **Powerful brushless motor**
- **Operating Hertz:** 5–150Hz
- **Battery Capacity:** 1800mAh
- **Accessories Included:** PowerBolt battery, USB-C charger cable, 2 O-rings, and 1 Allen key

## GET TING STARTED WITH SOLICE ERGO

### Powering On

Turn on the Solice Ergo by either:

1. Long-pressing the power button
2. Double-clicking the power button

Once powered on, the machine recalls the last-used speed and enters standby mode. Press the power button again to start or pause operation.

### Adjusting Frequency (Hz) & RPM

The Solice Ergo operates between 5Hz and 150Hz. Use the +/- buttons to adjust the frequency (Hz). The RPM (rotations per minute) adjusts proportionally to the Hz setting.

### Timer Function

- The timer resets only when the machine is fully powered off by long-pressing the power button. After 3 minutes of inactivity, the machine enters sleep mode, pausing the timer.

Press any button to wake the screen and resume the timer automatically. The timer remains unchanged when plugging/unplugging the charger.

### Screen Brightness

To save battery, the screen brightness automatically dims by 50% after 10 seconds of inactivity. Press any button to restore full brightness.

### Memory Frequency (Hz)

Customize and save your preferred speeds with three preset memory slots: Adjust settings using the +/- buttons under the corresponding preset. Changes are automatically saved. Use the "Memory/Presets" button to switch between presets.

### Customization & Settings

Press the + and – buttons together after powering on to enter the settings menu. Change voltage display colors for better visibility.

### Charging & Battery Status

The Solice Ergo supports use while charging. Battery indicator colors:

- Yellow (⚠) = Below 30% (warning)
- Red (⚠) = Below 10% (critical)

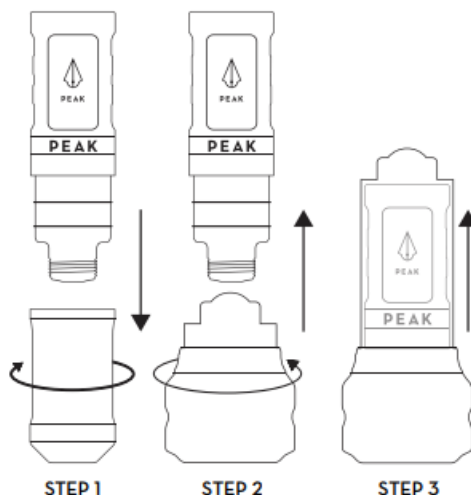
### Powering Off

Long-press the power button to shut down manually.

## HOW TO ATTACH ERGO SHIELD GRIPS

- Attaching the disposable Ergo Shield Grip to your Solice Ergo takes just 10 seconds (down from the usual 5–6 minutes!) Simply follow these steps:

1. Remove the reusable Solice Ergo grip by unscrewing it from the machine body.
2. Attach the disposable Ergo Shield Grip by screwing it in place.
3. Cover your Solice Ergo machine by pulling the adhesive tab on the Ergo Shield Grip's built-in machine bag up and over the machine.



### Get tattooing!

That's it—fast, simple, and ready to go in seconds.

### MAINTENANCE GUIDELINES

Regular maintenance is key to extending the life and ensuring the optimal performance of your Solice Ergo. Follow these steps for routine care:

#### Battery Care and Storage

To maintain battery performance and lifespan, follow these instructions:

- Storage Conditions: Keep batteries in a dry, cool place at 22-28°C.
- Regular Charge/Discharge: Every three months, perform one full charge and discharge cycle.
- If Unused for 10+ Days: Keep the battery between 40% and 65% charge to prevent deterioration.

### HERTZ GUIDELINES BY STYLE

Unlike most machines that display voltage, the Solice Ergo uses Hertz as its power readout.

#### WHY HERTZ?

Hertz offer a more accurate measurement of your machine's performance, showing the exact frequency of needle movements per second. Voltage can vary depending on factors like the motor and friction, meaning that 8.0v on one machine could be 150Hz, while another might only reach 120Hz. By focusing on Hertz, you get a clearer, more consistent picture of your machine's output.

Check out our recommendations for different tattooing styles by Hertz range below.

- Fine Lines/Details: 50–80Hz
- Shading: 80–100Hz
- Color Packing: 100–150Hz

**Please Note:** These are general guidelines. Your preferences may vary based on hand speed, skin type, and experience. Experiment with different settings to find what works best for you.

## HOW TO PAIR TO THE WIRELESS RADIX FOOTSWITCH

- Pairing your Solice Ergo to the Radix footswitch is simple. Just follow the instructions below:
- Turn on the Radix Footswitch:
  1. Press down on the top of your Radix footswitch.
  2. Quickly double press the button on the bottom of the footswitch.
  3. A slow blinking red light on the top of your Radix indicates it is ready for pairing.
- **Enable Pairing Mode on the Solice Ergo:**
  1. Press and hold the Power/Memory buttons on the Solice Ergo.
  2. Wait until the display screen shows "PAIR."
- **Complete the Pairing Process:**
  1. Press down on the top of your Radix footswitch.
  2. Single press the button on the bottom of the footswitch.
  3. A rapid blinking red light will appear on the top of your Radix footswitch.
  4. The Solice Ergo display screen will show "DONE."
- **Confirm Successful Pairing:**
  - Wait for the rapid blinking light on the Radix footswitch to turn off.
  - Once pairing is complete, the Solice Ergo will return to the home screen.
- **Power On Your Radix Footswitch:**
  - Press and hold the button on the bottom of your Radix footswitch to turn it back on.
  - Your Radix footswitch is now successfully paired with the Solice Ergo and ready for use.

## HOW TO REPLACE THE CAM

- Swapping out the cam on your Solice Ergo is quick and straightforward. Whether you're switching to the 3.5mm cam for a softer hit or replacing a worn-out cam, follow these steps for a seamless swap:

### Remove the Grip & Body Housing

- Unscrew and remove the reusable Solice Ergo grip.
- If this is your first time removing the body housing, you may find it secured tightly.
- Use a silicone jar opener for extra grip to make unscrewing easier.

### Access the Cam & Loosen the Set Screw

Once the cam is exposed, use the included Allen key to loosen the set screw securing the cam in place.

### Swap the Cam

1. Gently remove the existing cam.
2. Align the new cam and slide it into position.

### Secure the Cam

Tighten the set screw with the Allen key until the cam is firmly in place.

### Reassemble & Test

1. Screw the body housing and grip back onto the machine.
2. Power on the Solice Ergo and run a quick test to ensure smooth operation.

And that's it—your Solice Ergo is ready for action with its new cam in your preferred stroke!

## ERROR WARNINGS



### SHORT CIRCUIT

If the screen shows E1, a short circuit was detected. This may indicate a motor or connection issue. Troubleshoot by inspecting the motor and connections. Clean and reassemble after testing.



### OVER CURRENT

The E2 code indicates overcurrent, often due to stuck parts or loose screws. Inspect and clean the drive system before reassembling.



### FAULTY CORD

E3 signals a charging issue when voltage drops below 4.3V. The code will blink 5 times per minute. Once the voltage returns to normal, charging will resume.

## SAFETY PROTECTIONS

- **Output Protection:** Guards against short circuits and overcurrent.
- **Input Protection:** Includes battery short circuit, overcharge, and over-discharge safeguards.
- **Low Power Protection:** The device will stop output when the battery level falls below 3%.

## WARRANTY & REPAIR REQUEST INFORMATION

- We offer a one-year warranty on all our machines and technology. If you experience any technical issues with your Solice Ergo wireless tattoo machine, simply download and fill out the Peak Repair Order
- Form. Mail your completed repair order form, your machine, and invoice as proof of purchase to the listed address.
- If you purchased your Solice Ergo less than a year ago, we will replace it with a brand new model. If your machine is older than a year, it is unfortunately no longer protected under our one-year warranty.
- Any other questions or concerns regarding technical issues with your Peak Solice Ergo wireless tattoo machine can be directed to [info@peakneedles.com](mailto:info@peakneedles.com).





**Machine Repair Request**



**Radix Video Tutorial**



**Radix User Manual**

## FAQs

### How can I change the color options of my Peak Solice Ergo?

The Peak Solice Ergo is available in Matte Black, Matte Grey, and Matte Pink color options. You can choose your preferred color variant when purchasing the product.

### Can I use the Solice Ergo while it is charging?

Yes, the Solice Ergo supports use while charging, allowing you to continue using the machine even during charging sessions.

## Documents / Resources



**[PEAK SOLICE ergo Wireless Machine](#)** [pdf] User Manual

SOLICE ergo Wireless Machine, SOLICE ergo, Wireless Machine, Machine

## References

- [User Manual](#)

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