Solong Tattoo E201

Solong Tattoo E201 Rotary Tattoo Pen Instruction Manual

Model: E201

Introduction

This manual provides detailed instructions for the safe and effective use of your Solong Tattoo E201 Rotary Tattoo Pen. This device is designed for precision tattooing, offering versatility and reliability. Please read this manual thoroughly before operation to ensure proper handling and to maximize the lifespan of your equipment.

Setup

1. Charging the Batteries

The Solong Tattoo E201 comes with two 1800mAh rechargeable batteries. Ensure both batteries are fully charged before initial use.

- Connect the provided USB-C cable to the charging port on the battery.
- Connect the other end of the cable to a compatible USB power adapter (not included).
- The LED display on the battery will indicate charging status. A full charge typically takes 2-3 hours.
- Each fully charged battery provides approximately 6-7 hours of working time.



Image: Two 1800mAh batteries, one connected via USB-C for charging. The display shows battery level and voltage. Dual batteries provide extended working hours.

2. Attaching the Battery to the Pen

- Align the battery unit with the top of the tattoo pen.
- Gently twist the battery clockwise until it is securely fastened to the pen body. Ensure a firm connection.

3. Installing a Needle Cartridge

- Select the appropriate needle cartridge for your tattooing needs.
- Insert the needle cartridge into the front opening of the tattoo pen.
- Twist the cartridge clockwise until it locks into place.

4. Adjusting Needle Depth and Stroke Length

The E201 features 7 adjustable stroke lengths and a customizable needle depth.

- **Needle Depth:** Rotate the grip of the pen to adjust the needle protrusion. Rotate clockwise to extend the needle, counter-clockwise to retract.
- **Stroke Length:** The pen offers stroke lengths from 2.4mm to 4.2mm. Rotate the adjustment ring on the pen body to select the desired stroke length. The selected length will be indicated on the ring.



Image: The pen's adjustable stroke length mechanism, illustrating the seven available settings and their recommended uses for different

tattooing techniques.

Operating Instructions

1. Power On/Off

- To power on, press and hold the power button (usually the central button) for a few seconds until the LED display illuminates.
- To power off, press and hold the power button again until the display turns off.

2. Understanding the LED Display

The high-definition LED display provides real-time information:

- **Voltage:** Displays the current operating voltage (4-12V).
- **Battery Level:** Indicates remaining battery charge.
- **Output Frequency (Hz):** Shows the motor's operating frequency.
- **Run Time:** Tracks the duration of the current session.
- **Strong Start Icon:** Indicates if the strong start function is active.
- **Start/Pause Status Icon:** Shows if the machine is running or paused.
- **Memory Function (M1-M4):** Allows saving and recalling up to four preset voltage/frequency settings.

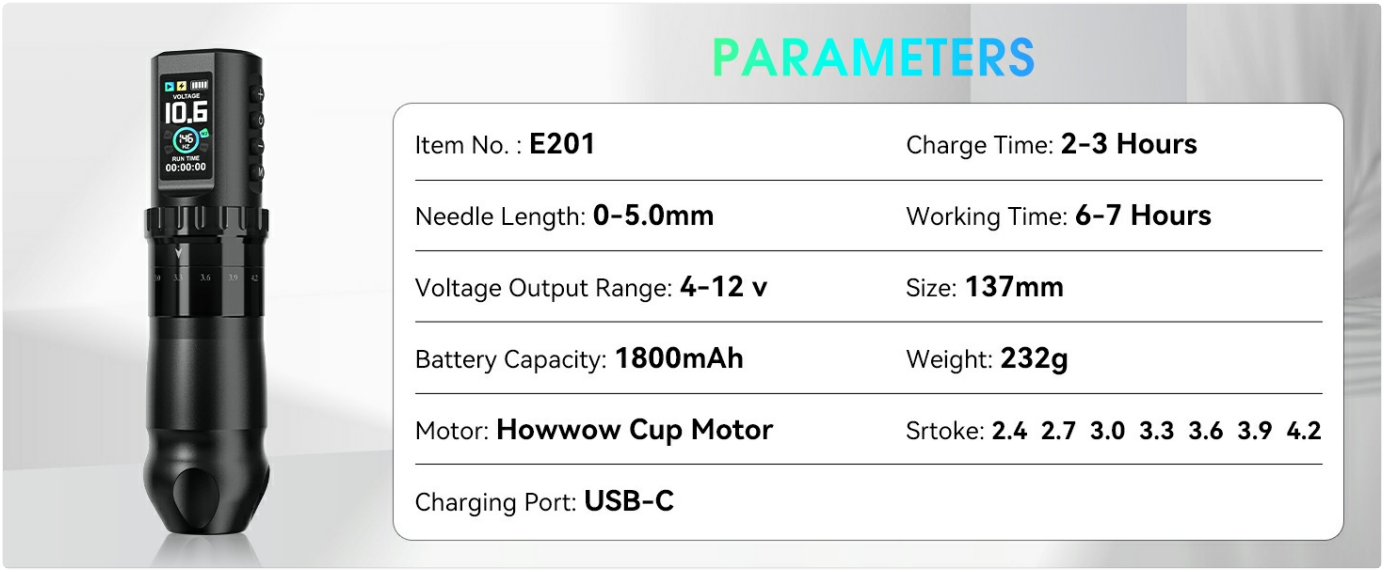


Image: Detailed view of the LED display, explaining each indicator and control button for voltage adjustment and memory presets.

3. Adjusting Voltage and Frequency

- Use the '+' and '-' buttons to increase or decrease the voltage in 0.1V increments. The voltage range is 4.0V to 12.0V.
- The output frequency (Hz) will adjust automatically with voltage changes.

4. Using Memory Presets (M1-M4)

- To save a preset: Adjust the voltage to your desired setting. Press and hold one of the 'M' buttons (M1-M4) until the display confirms the setting is saved.
- To recall a preset: Briefly press the corresponding 'M' button (M1-M4). The machine will switch to the saved voltage and frequency.

5. Strong Start Mode

The Strong Start mode provides a brief burst of maximum voltage to initiate the needle, which can be useful for certain needle

configurations or starting on tougher surfaces.

- Refer to the manual's specific instructions for activating and deactivating the Strong Start mode, as it may be linked to certain presets or a dedicated button.

6. General Operation

- Once settings are configured, press the power button briefly to start the machine. Press again to pause.
- Always practice on synthetic skin or appropriate practice surfaces before working on human skin.

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Video: An official demonstration of the Solong E201 Pro Cordless Tattoo Gun Kit in use, showcasing its features and operation.

Maintenance

1. Cleaning the Machine

- After each use, disconnect the battery and remove the needle cartridge.
- Wipe down the exterior of the tattoo pen with a sterile wipe or a cloth dampened with an approved disinfectant solution.
- Ensure no liquids enter the internal components or charging port.
- Do not submerge the machine in any liquid.

2. Battery Care

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid fully discharging the batteries regularly to prolong their lifespan. Recharge them when the battery level is low.
- If storing for an extended period, charge batteries to approximately 50% capacity.

3. O-Ring Replacement

- Periodically inspect the O-rings within the pen for wear and tear.
- If O-rings appear damaged or worn, replace them with new ones to maintain optimal performance and prevent ink leakage.

Troubleshooting

Problem	Possible Cause	Solution
Machine does not turn on	Battery is not charged or not properly connected.	Ensure battery is fully charged and securely attached to the pen.
Inconsistent power or motor stuttering	Low battery charge; loose battery connection; faulty needle cartridge.	Recharge battery; check battery connection; replace needle cartridge.
Needle not extending/retracting properly	Needle depth adjustment ring is stuck; faulty needle cartridge.	Gently rotate the grip to free the adjustment ring; replace needle cartridge.
Excessive vibration or noise	Loose components; worn O-rings; incorrect stroke length setting.	Check all connections; inspect and replace O-rings if necessary; verify stroke length setting.
LED display not working	Battery issue; internal fault.	Ensure battery is charged and connected. If problem persists, contact customer support.

Specifications

Feature	Detail
Item No.	E201
Needle Length	0-5.0mm
Voltage Output Range	4-12 V
Battery Capacity	1800mAh (x2)
Motor	Hollow Cup Motor
Charging Port	USB-C
Charge Time	2-3 Hours
Working Time	6-7 Hours (per battery)
Size (Length)	137mm
Weight	232g
Stroke Lengths	2.4, 2.7, 3.0, 3.3, 3.6, 3.9, 4.2 mm

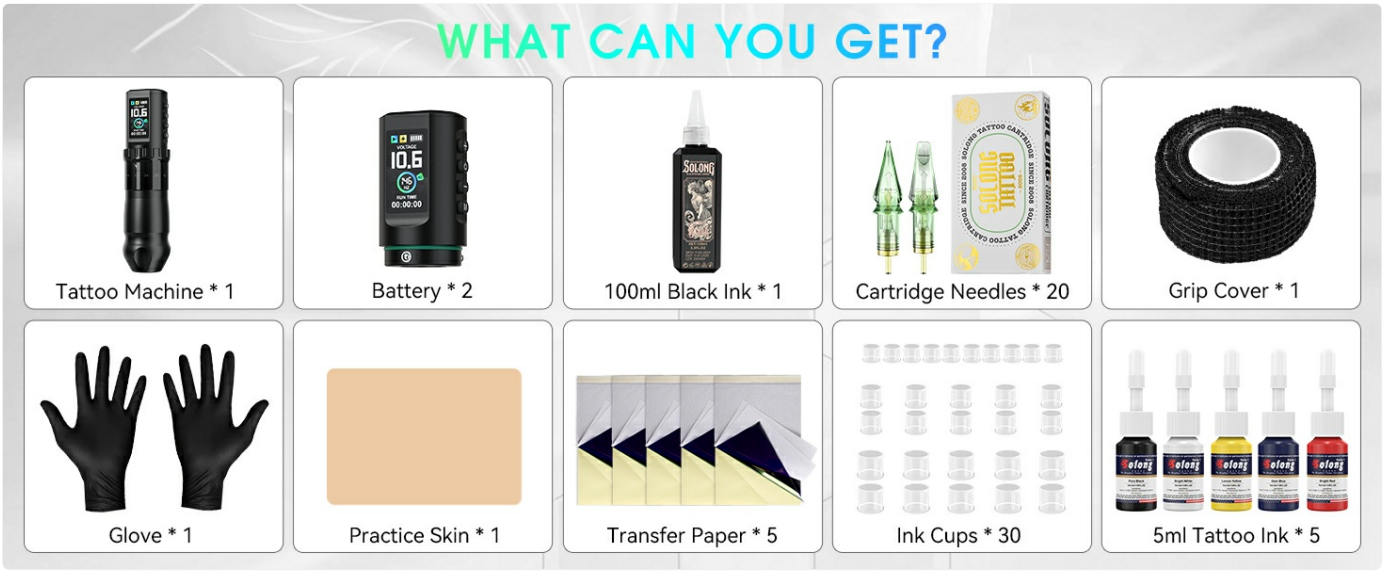


Image: Technical specifications and parameters for the Solong Tattoo E201 Rotary Tattoo Pen.

Warranty and Support

Warranty Information

Solong Tattoo offers support for product issues within three years of purchase. Please retain your proof of purchase for warranty claims.

Customer Support

For any questions, technical assistance, or warranty inquiries, please contact Solong Tattoo customer support through the official brand store or your point of purchase.

Visit the Solong Tattoo Store on Amazon for more information and support.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question