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> Ambition Soldier Max Rotary Tattoo Machine User Manual

## Ambition Soldier Max

# Ambition Soldier Max Rotary Tattoo Machine User Manual

Model: Soldier Max

## INTRODUCTION

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This manual provides detailed instructions for the safe and efficient operation of your Ambition Soldier Max Rotary Tattoo Machine. Please read this manual thoroughly before using the device to ensure proper function and longevity.

### Package Contents

- 1x Ambition Soldier Max Tattoo Pen (2400 mAh battery capacity)
- 1x Additional Battery (1800 mAh battery capacity)
- 1x Additional 4.0 mm Stroke Cam
- 1x RCA Adapter
- 1x USB Fast Charging Data Cable
- 1x Storage Box

# SWITCH THE MODE YOU LIKE

Wireless Or Wired



The Ambition Soldier Max Rotary Tattoo Machine, shown with both the standard and additional battery, and the RCA adapter for wired operation.

## SETUP

### Charging the Battery

Before initial use, fully charge the battery.

1. Connect the provided USB fast charging data cable to the machine's charging port.
2. Use a 5V/2A charging adapter (not included) for optimal charging.
3. The display will indicate charging status. A full charge for the 2400 mAh battery takes approximately 8-10 hours, and for the 1800 mAh battery, approximately 6-7 hours.

# MULTI-FUNCTIONAL



Image illustrating the multi-functional display and charging input recommendation (5V/2A adapter).

## Assembling the Machine

1. **Battery Attachment:** Align the battery pack with the main body of the tattoo pen and twist gently until securely connected.
2. **RCA Adapter (Optional Wired Use):** If using a wired power supply, detach the battery pack and connect the RCA adapter to the machine body. Then, connect your RCA cable to the adapter.
3. **Needle Cartridge Insertion:** Insert a compatible needle cartridge into the front end of the machine, twisting it clockwise until it locks into place.
4. **Adjusting Needle Depth:** Rotate the grip of the machine to adjust the needle depth as required.

## OPERATING INSTRUCTIONS

### Power On/Off and Boot Modes

- **Power On:** Press and hold the power button (located on the display unit) for a few seconds until the screen

illuminates.

- **Power Off:** Press and hold the power button again until the screen turns off.
- **Switching Boot Mode:** Double-tap the power button quickly to switch between "Jump Start Mode" (indicated by 'J' on the display) and "Standard Mode" (indicated by 'S').
  - **Jump Start Mode (J):** Provides an 8V initial boost, useful for pushing larger magnum tattoo needles.
  - **Standard Mode (S):** Normal startup.

# 8V STRONG START FUNCTION

Display J is 8V Jump start mode  
Display S is Standard mode

- MODEL
- BATTERY
- VOLTAGE
- TIMING
- COUNT
- FREQ
- DOT SPEED
- POWER BUTTON

Quickly double-tap the power button to switch the boot mode

## 2400mAh

Battery life 10 hours

### LARGE BATTERY CAPACITY

Detailed view of the HD color screen, indicating Model, Battery, Voltage, Timing, Count, Frequency, and Dot Speed. The power button and boot mode switching are also highlighted.

### Voltage Adjustment

- Use the "Voltage Increase Key" (+) and "Voltage Reduction Key" (-) buttons on the display unit to adjust the operating voltage. The voltage range is 4-12V.

### Work Modes (Frequency & Normal)

- **Switching Modes:** Long press the "Work Mode Button" (located below the power button) to toggle between "Regular Mode" and "Frequency Mode".
- **Frequency Mode:** This mode offers 50 different adjustable frequency levels. Use the "Frequency Up Button" and "Frequency Down Button" to select your desired frequency.

## Billing Function

The machine features a billing function that automatically calculates the total charge based on working hours.

- The display shows the timer and calculated charge.
- Adjust the charge amount per minute using the "Billing Up Button" and "Billing Down Button" (these are typically integrated with the frequency buttons, requiring a mode switch).

## MAINTENANCE

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### Cleaning

The Ambition Soldier Max tattoo machine is designed for easy disassembly, allowing for thorough cleaning of each component.

1. Ensure the machine is powered off and disconnected from any power source.
2. Carefully disassemble the machine by unscrewing the battery pack/RCA adapter and the grip section.
3. Clean all external surfaces with a suitable disinfectant wipe.
4. For internal components, follow professional sterilization guidelines for tattoo equipment. Avoid immersing the motor or electronic components in liquid.
5. Ensure all parts are completely dry before reassembly.

### Storage

Store the machine in its original box or a clean, dry, and sterile environment when not in use. Keep it away from direct sunlight, extreme temperatures, and moisture.

## TROUBLESHOOTING

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- **Machine Not Turning On:**
  - Ensure the battery is fully charged.
  - Check that the battery pack is securely attached.
  - If using the RCA adapter, ensure it is properly connected and the power supply is functional.
- **Inconsistent Operation/Power:**
  - Verify the battery charge level.
  - Check for any loose connections between components.
  - Ensure the needle cartridge is correctly inserted and not jammed.
- **Display Issues:**
  - Restart the machine.
  - Ensure the battery is adequately charged.

If problems persist, please contact customer support.

## SPECIFICATIONS

Feature	Detail
<b>Brand</b>	Ambition
<b>Material</b>	Aluminum Alloy
<b>Dimensions (Short Battery)</b>	132 mm (Length) x 32.5 mm (Diameter)
<b>Dimensions (Long Battery)</b>	146 mm (Length) x 32.5 mm (Diameter)
<b>Weight (Short Battery)</b>	186 g
<b>Weight (Long Battery)</b>	201 g
<b>Motor</b>	Custom Coreless Motor (25mm x 8mm)
<b>Motor Speed</b>	13,000 RPM / 12V
<b>Torque</b>	95 g.cm
<b>Stroke Length</b>	4.0 mm
<b>Operating Voltage</b>	4-12 V
<b>Battery Capacity (Standard)</b>	2400 mAh
<b>Battery Life (2400 mAh)</b>	8-10 hours
<b>Battery Capacity (Additional)</b>	1800 mAh
<b>Battery Life (1800 mAh)</b>	6-7 hours
<b>Vibration Value</b>	2.0 m/s <sup>2</sup>
<b>Noise Level</b>	52-55 dB
<b>Waterproof Level</b>	Water-resistant

# PROFESSIONAL TATTOO MACHINE

Weight	186g/201g
Size	132*32.5mm 146*32.5mm
Motor	25mmx8mm
Motor Speed	12V 13000Rpm
Torque	95g.cm
Stroke	4.0mm
Voltage	4.5-12V
Battery Capacity	2400mAh/1800mAh
Battery Life	8-10Hours/6-7Hours
Vibration value	2.0m/s <sup>2</sup>
Decibels	52-55dB

Detailed specifications for the Ambition Soldier Max Rotary Tattoo Machine.



**Billing  
Function  
Battery**

**& 2400mAh  
& 1800mAh**

Illustration of the custom coreless motor, highlighting its speed and dimensions.

## WARRANTY AND SUPPORT

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For warranty information or technical support, please refer to the documentation included with your purchase or contact Ambition customer service directly.

**Return Policy:** The product typically comes with a 30-day refund/replacement policy. Please check your purchase details for specific terms.

