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› Ambition Sally 270 Wireless Rotary Tattoo Machine User Manual

Ambition Sally 270

Ambition Sally 270 Wireless Rotary Tattoo Machine User Manual

Model: Sally 270

INTRODUCTION

Thank you for choosing the Ambition Sally 270 Wireless Rotary Tattoo Machine. This manual provides essential information for the safe and effective operation, maintenance, and care of your device. Please read it thoroughly before initial use.

Package Contents:

- 1x Ambition Sally 270 Battery Tattoo Pen
- 1x RCA Adapter
- 1x USB Fast Charging Data Cable
- 1x RCA Clip Cord
- 1x Storage Box



Image: The Ambition Sally 270 machine with its included accessories: RCA adapter, USB charging cable, RCA clip cord, and storage box.

SAFETY INFORMATION

For professional use only. This device is intended for tattooing and permanent makeup applications by trained and certified artists. Improper use can lead to injury or damage to the device.

- **External Use Only:** This device is for external application only.
- **Avoid Contact with Eyes:** Keep the device and its components away from eyes.
- **Keep Away from Naked Flame:** Do not expose the device to open flames or high heat sources.
- **Sterilization:** Always ensure all components that come into contact with skin are properly sterilized before each use.
- **Power Source:** Use only the provided charging cable and a 5V/2A charging adapter.
- **Battery Care:** Do not completely drain the battery before charging, as this can damage the battery.

PRODUCT FEATURES

- **Material & Design:** Constructed from aluminum, featuring a lightweight and slim body. Length: 147 mm (5.8 inches); Diameter: 25 mm (0.98 inches); Weight: 143 g (5 oz).
- **Coreless Motor:** Equipped with a custom 25x16 mm stainless steel coreless motor, providing stable output and fast coloring. Operates without overheating during extended use. Motor speed: 10V/12000Rpm.
- **High Torque:** Driven by a 270 g.cm high torque hollow cup motor, enhancing machine stability and reliability. Prevents needle skipping or thread breaking even at low voltages.
- **Adjustable Stroke Length:** Supports stroke lengths of 2.0mm, 2.3mm, 2.6mm, 2.9mm, 3.2mm, and 3.5mm. Adjust the stroke by turning the knob, suitable for various tattooing styles including soft black and grey shading, blending colors, lip shaping, eyebrow, eyeliner, and hairline procedures.
- **Battery & Power:** Single battery capacity of 1300 mAh. Provides 4-5 hours of working time at 5-8V. Full charge achieved in approximately 1.5 hours. Features 0.5V voltage adjustment and an LCD high-definition screen display.
- **Compatibility:** Compatible with major brands of tattoo needle cartridges.
- **Dual Mode Operation:** Can be used wirelessly with the integrated battery or wired via the included RCA adapter and clip cord.

SALLY 270

ADJUSTABLE STROKE

PERMANENT MAKEUP TATTOO MACHINE

2.02.32.62.93.23.5





Weight	143g	Battery Capacity	1300mAh
Size	147*25mm	Battery Life	4-5Hours
Motor	25*16mm	Charger time	1-1.5Hours
Motor Speed	10V/12000rpm	Voltage	1-12v
Torque	270g.cm	Vibration value	0.1m/s ²
Stroke	2.0-3.5mm	Decibels	38-40dB

Image: A table summarizing key specifications of the Ambition Sally 270, including weight, size, motor details, battery capacity, and stroke range.

270G.CM
HIGH-TORQUE
CORELESS
MOTOR



This tattoo machine powered by 270 g.cm high torque Coreless motor, improve the stability and reliability of the machine and, even when running at low voltage, there will be no problems such as needle skipping and wire breaking



Motor Size
25*16mm



Motor Speed
10V12000Rpm



Torque
270g.cm

Image: Close-up view highlighting the 270 g.cm high-torque coreless motor, emphasizing its stability and reliability.

WIDER 1-12V VOLTAGE RANGE

A wider voltage range combined with an adjustable stroke provides you with more diverse tattooing options.



Battery Capacity
1300mAh



Battery Life
4-5Hours



Charger time
1-1.5Hours



Charging input : Recommend use the original charging cable,Use 5V/2A charging adapter
Please do not completely drain the battery before charging, as this can damage the battery

Image: Illustrates the 1-12V wider voltage range and battery charging information, including capacity, life, and charging time.

ADJUSTABLE STROKES

2.0-3.5mm



●.....●.....●.....●.....●.....●.....●
2.0 2.3 2.6 2.9 3.2 3.5

Eyebrow tattooing, eyeliner tattooing, lip tattooing, hairline tattooing,
and tattooing—all accomplished with one machine.

One tattoo machine for all your needs

Image: Demonstrates the adjustable stroke mechanism, showing the range from 2.0mm to 3.5mm and its versatility for various applications.

BALANCED WEIGHT

Comfortable to hold, no fatigue even for long tattoo sessions

LOW NOISE, MINIMAL VIBRATION

Stable needle output and consistent penetration reduce skin damage, providing better tattoo results and faster healing.



Vibration value
0.1m/s²



Decibels
38-40dB



Image: Highlights the balanced weight, low noise, and minimal vibration features of the machine, contributing to comfort and stable needle output.

SWITCH THE MODE YOU LIKE

wireless or wired



When the battery runs out,
the RCA adapter can be replaced to continue working.

Image: Shows the flexibility of switching between wireless operation (with battery) and wired operation (with RCA adapter) for continuous use.

SETUP

1. **Charge the Battery:** Before first use, fully charge the battery using the provided USB cable and a 5V/2A adapter. The LCD screen will indicate charging status. Avoid completely draining the battery.
2. **Attach Needle Cartridge:** Insert a compatible tattoo needle cartridge into the machine's grip. Twist gently to secure it in place.
3. **Adjust Needle Depth:** Rotate the grip to adjust the needle depth to your desired setting.
4. **Wireless Operation:** Ensure the battery pack is securely attached to the machine body.
5. **Wired Operation (Optional):** If the battery is depleted or for preference, detach the battery pack and attach the RCA adapter. Connect the RCA clip cord to the adapter and to a compatible power supply (not included).

OPERATING INSTRUCTIONS

1. **Power On/Off:** Press and hold the power button (usually the central button on the battery pack) to turn the machine on or off. The LCD screen will illuminate.
2. **Adjust Voltage:** Use the '+' and '-' buttons on the battery pack to adjust the operating voltage. The voltage range is 1-12 volts, with 0.5V increments. The LCD screen displays the current voltage.
3. **Adjust Stroke Length:** Rotate the gold-colored adjustment knob on the machine body to select the desired stroke length (2.0mm, 2.3mm, 2.6mm, 2.9mm, 3.2mm, or 3.5mm). This can be done while the machine is running.
4. **Begin Operation:** Once voltage and stroke are set, the machine is ready for use.
5. **Monitoring:** The LCD screen displays voltage, battery level, and working time. Monitor these indicators during operation.

MAINTENANCE

- **Cleaning:** After each use, wipe down the exterior of the machine with a sterile wipe or disinfectant solution. Ensure no liquids enter the motor housing or battery compartment.
- **Sterilization:** Components that come into contact with skin or ink must be properly sterilized according to industry standards.
- **Lubrication:** Periodically apply a small amount of machine oil (specifically designed for tattoo machines) to moving parts as recommended by professional guidelines to ensure smooth operation and longevity.
- **Storage:** Store the machine in its provided storage box in a clean, dry environment away from direct sunlight and extreme temperatures.
- **Battery Care:** Do not store the battery completely discharged. Charge it periodically if not in use for extended periods.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Machine not turning on.	Battery discharged; loose connection; power button not pressed correctly.	Charge the battery; ensure battery pack is securely attached or RCA cable is firm; press and hold power button.
Machine running weakly or inconsistently.	Low battery; incorrect voltage setting; needle cartridge issue.	Recharge battery; increase voltage; replace needle cartridge.
Needle skipping or breaking.	Low voltage; faulty needle cartridge; improper stroke setting.	Increase voltage; replace needle cartridge; verify stroke setting is appropriate for the task.
Machine overheating.	Prolonged high voltage use; motor issue.	Reduce voltage or take breaks; if problem persists, contact support.

SPECIFICATIONS

- **Model:** Sally 270
- **Material:** Aluminum
- **Length:** 147 mm (5.8 inches)
- **Diameter:** 25 mm (0.98 inches)
- **Weight:** 143 g (5 oz)

- **Motor:** Custom 25x16 mm Stainless Steel Coreless Motor
- **Motor Speed:** 10V/12000Rpm
- **Torque:** 270 g.cm
- **Voltage Range:** 1-12 Volts (0.5V adjustment)
- **Stroke Lengths:** 2.0mm, 2.3mm, 2.6mm, 2.9mm, 3.2mm, 3.5mm (adjustable)
- **Battery Capacity:** 1300 mAh
- **Working Time:** 4-5 hours (at 5-8V)
- **Charging Time:** Approximately 1.5 hours
- **Charging Input:** 5V/2A (recommended)
- **Compatibility:** Major brands tattoo needle cartridges
- **Product Dimensions:** 5.9 x 3 x 2.3 inches (packaged)
- **UPC:** 810174731576

WARRANTY AND SUPPORT

Ambition products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the contact information provided with your purchase or visit the official Ambition website. Keep your purchase receipt as proof of purchase.

Manufacturer: Ambition

For further assistance, please contact Ambition customer service.

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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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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