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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

1. INTRODUCTION

Thank you for choosing the Ambition Sally 270 Wireless Rotary Tattoo Machine. This device is designed for professional tattoo artists and permanent makeup specialists, offering precision, versatility, and reliability. Please read this manual thoroughly before operating the machine to ensure safe and effective use.

2. PRODUCT COMPONENTS

The Ambition Sally 270 package includes the following items:

- 1 x Ambition Sally 270 Battery Tattoo Pen
- 1 x Extra 1300 mAh Battery
- 1 x RCA Adapter (for wired operation)
- 1 x USB Fast Charging Data Cable
- 1 x RCA Clip Cord
- 1 x Storage Box



Image: Contents of the Ambition Sally 270 package, including the machine, two batteries, RCA adapter, cables, and storage box.

3. SETUP

3.1 Attaching the Battery or RCA Adapter

1. To use wirelessly: Screw one of the provided 1300 mAh batteries onto the main body of the tattoo pen until secure.
2. To use wired: If the battery runs out or for preference, detach the battery and screw the RCA adapter onto the main body. Connect the RCA clip cord to the adapter and to an external power supply (not included).

SWITCH THE MODE YOU LIKE

wireless or wired



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

Image: The Ambition Sally 270 machine demonstrating the interchangeable battery and RCA adapter for wireless or wired operation.

3.2 Inserting a Needle Cartridge

Twist your desired tattoo needle cartridge into the front grip of the machine until it clicks securely into place. Ensure the needle is properly seated and aligned.

3.3 Adjusting Needle Depth

Rotate the grip section of the machine clockwise or counter-clockwise to adjust the needle protrusion (depth). Turn clockwise to extend the needle further out, and counter-clockwise to retract it. Adjust to your preferred working depth.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Press and hold the power button on the battery pack (or external power supply if wired) for a few seconds to turn the machine on or off. The LCD screen will illuminate upon power-on.

4.2 Voltage Adjustment

Use the '+' and '-' buttons on the battery pack to adjust the operating voltage. The voltage can be adjusted in 0.5V increments within the 1-12V range. The current voltage will be displayed on the LCD screen.

4.3 Adjustable Stroke Length

The Ambition Sally 270 features an adjustable stroke mechanism. To change the stroke length, rotate the adjustment knob located on the machine body. Available stroke lengths are 2.0mm, 2.3mm, 2.6mm, 2.9mm, 3.2mm, and 3.5mm. Select the appropriate stroke for your tattooing style (e.g., shorter strokes for shading, longer for lining).



Image: Detail of the Ambition Sally 270's adjustable stroke mechanism, allowing selection between 2.0mm and 3.5mm.

4.4 Coreless Motor Performance

The machine is equipped with a custom 25*16mm stainless steel coreless motor, providing stable output and fast coloring. Its 270 g.cm high torque ensures consistent performance even at low voltages, minimizing issues like needle skipping or line breakage.

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: An internal view highlighting the 270 g.cm high-torque coreless motor of the Ambition Sally 270.

5. BATTERY AND CHARGING

Each 1300 mAh battery provides approximately 4-5 hours of working time at 5-8V. Charging takes about 1.5 hours to reach full capacity.

5.1 Charging Procedure

1. Connect the provided USB Fast Charging Data Cable to the charging port on the battery.
2. Connect the other end of the USB cable to a 5V/2A charging adapter (not included).
3. The LCD screen will indicate charging status. Ensure the battery is not completely drained before charging to prevent damage.

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: The Ambition Sally 270 battery displaying its 1-12V voltage range and charging specifications.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Ambition Sally 270 machine.

- **Cleaning:** After each use, wipe down the machine's exterior with a sterile wipe or disinfectant solution. Do not immerse the machine in liquid.
- **Lubrication:** The internal motor is designed for minimal maintenance. Avoid disassembling the motor or applying lubricants unless specifically instructed by Ambition support.
- **Storage:** Store the machine and its components in the provided storage box in a clean, dry environment away from direct sunlight and extreme temperatures.
- **Battery Care:** Do not overcharge or completely drain the batteries. Store batteries with a partial charge if not used for extended periods.

7. TROUBLESHOOTING

If you encounter issues with your Ambition Sally 270, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Machine does not turn on.	Battery is dead or not properly attached.	Charge the battery or ensure it is securely screwed onto the machine. If using RCA, check power supply connection.
Inconsistent power or needle skipping.	Low battery, incorrect voltage, or faulty needle cartridge.	Ensure battery is charged. Adjust voltage. Replace needle cartridge.
Stroke adjustment knob is stiff.	Debris or dried pigment.	Clean the area around the adjustment knob carefully with a sterile wipe. Do not force rotation.
Machine gets hot during operation.	Prolonged high voltage use or motor strain.	Reduce operating voltage or take short breaks. If overheating persists, contact support.

If these solutions do not resolve the issue, please contact Ambition customer support for further assistance.

8. SPECIFICATIONS

Feature	Specification
Material	Aluminum
Length	147 mm (5.8 inches)
Diameter	25 mm (0.98 inches)
Single Pen Weight	143 g (5 oz)
Motor	Custom 25*16 mm Stainless Steel Coreless Motor
Motor Speed	10V/12000 Rpm
Voltage Range	1-12 Volts
Torque	270 g.cm
Stroke Lengths	Adjustable: 2.0mm, 2.3mm, 2.6mm, 2.9mm, 3.2mm, 3.5mm
Battery Capacity	1300 mAh (per battery)
Working Voltage (Battery)	5-8V recommended
Battery Life	4-5 hours (at 5-8V)
Charging Time	Approx. 1.5 hours
Voltage Adjustment Increment	0.5V
Product Dimensions (Packaged)	5.9 x 3 x 2.3 inches
UPC	810174731569
ASIN	B0DPWJR64M



SALLY 270

ADJUSTABLE STROKE

PERMANENT MAKEUP TATTOO MACHINE



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: Visual representation of the Ambition Sally 270 and its key technical specifications.

9. WARRANTY AND SUPPORT

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