

## Ambition Wireless Tattoo Machine Kit

# Ambition Complete Wireless Tattoo Machine Kit Instruction Manual

## INTRODUCTION

This manual provides essential information for the safe and effective operation, setup, and maintenance of your Ambition Complete Wireless Tattoo Machine Kit. Please read these instructions thoroughly before using the product to ensure optimal performance and longevity.

## PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x Ambition Wireless Tattoo Machine
- 1 x Extra 4.0mm Stroke Cam
- 1 x Power Cable
- 1 x RCA Adapter
- 1 x Silicone RCA Cord
- 40 x Tattoo Cartridge Needles (20 x 1207RL, 20 x 1209RM)
- 20 x Ink Cups
- 1 x Bandage
- 1 Pair of Gloves



Product Name	Ambition Wireless Tattoo Machin
Length	145mm/5.7inches
Diameter	30mm/1.18inches
Net Weight	205g/0.45lb
Stroke Length	4.0mm
Motor	Coreless Motor
Battery Capacity	1950mAh
Working Voltage	5-12V

Image: Contents of the Ambition Wireless Tattoo Machine Kit, including the machine, needles, and accessories.

## Safety Information

**Important Safety Precautions:**

- For external use only.
- Avoid contact with eyes.
- Keep away from naked flame and extreme heat sources.
- Ensure all components are properly sterilized before use.
- This device is intended for professional use by trained individuals.

## Product Overview

The Ambition Wireless Tattoo Machine is designed for precision and durability, featuring a robust aluminum alloy frame and CNC carved construction. It incorporates a powerful coreless motor and a long-lasting battery for extended operation.

## Key Features:

- **Material:** Aluminum alloy frame, CNC carved.
- **Design:** Detachable for easy maintenance and part replacement.
- **Grip Diameter:** 30mm / 1.18 inches.
- **Length:** 145mm / 5.7 inches.
- **Weight:** 205g / 0.45 lb.
- **Motor:** Built-in Coreless Motor, 10V - 9000RPM.
- **Stroke Length:** 4.0mm, suitable for demanding lining and color packing.
- **Drive System:** Direct drive for powerful, low vibration operation.
- **Battery:** 1950mAh capacity, 6-8 hours continuous work on a full charge (approx. 2 hours charging time).
- **Display:** Visible LCD display for output voltage, battery usage, and working time.
- **Voltage Adjustment:** 5V-12V adjustable range, with  $\pm 0.5V$  adjustment interval.
- **Cartridge Compatibility:** Compatible with major brand cartridge needles.



Image: Close-up of the Ambition Wireless Tattoo Machine showing the LED display, voltage adjustment buttons (+/-), and power/pause button (O).



Image: Diagram highlighting the Coreless Motor, working voltage, stroke length, and speed of the Ambition Wireless Tattoo Machine.

## SETUP

1. **Charge the Machine:** Before first use, fully charge the wireless tattoo machine using the provided power cable. The LCD display will indicate charging status. A full charge takes approximately 2 hours.
2. **Attach Needle Cartridge:** Carefully insert a compatible tattoo cartridge needle into the machine's grip. Ensure it clicks securely into place.
3. **Adjust Needle Depth:** Rotate the grip to adjust the needle depth to your desired setting. The machine features a click adjust system for precise adjustments.
4. **Sterilization:** Ensure all parts that come into contact with skin or ink are properly sterilized according to industry standards.



Image: Close-up view of the machine's click adjust system for precise needle depth adjustment.



Image: A close-up of an Ambition tattoo cartridge needle, highlighting its design for stability and sharpness.

## OPERATING INSTRUCTIONS

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1. **Power ON/OFF:** Long press the "O" key for 3 seconds to turn the machine ON or OFF.
2. **Adjust Output Voltage:** Press the "+" or "-" key to adjust the output voltage. Each press adjusts the voltage by  $\pm 0.5V$ . The adjustable range is 5V-12V.
3. **Output Pause/Resume:** Short press the "O" key to pause the output. Short press it again to resume the output at the previously set working voltage.
4. **Working Time Display:** The LCD display shows the working time, accurate to minutes. The timer resets when the power is turned off and pauses when the output is paused.

## MAINTENANCE

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Proper maintenance ensures the longevity and hygiene of your tattoo machine.

- **Cleaning:** The machine is designed to be detachable as a whole, making it easy to disassemble for cleaning. Use appropriate cleaning and sterilization solutions for tattoo equipment.
- **Lubrication:** Periodically lubricate moving parts as recommended by professional tattoo equipment maintenance guidelines.
- **Storage:** Store the machine and accessories in a clean, dry place away from direct sunlight and extreme temperatures.
- **Needle Cartridges:** Dispose of used needle cartridges safely and responsibly after each use.

## TROUBLESHOOTING

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If you encounter issues with your Ambition Wireless Tattoo Machine, refer to the following common solutions:

- **Machine Not Turning On:** Ensure the battery is fully charged. Long press the "O" button for 3 seconds.
- **Inconsistent Power/Voltage:** Check the battery level on the LCD display. Recharge if low. Ensure the power cable and RCA cord (if used with an adapter) are securely connected.
- **Needle Not Moving:** Verify that the needle cartridge is correctly inserted and locked into place. Check for any

obstructions in the needle mechanism.

- **Excessive Vibration/Noise:** Ensure all detachable parts are securely assembled. Check if the needle cartridge is damaged or improperly seated.
- **Short Battery Life:** Ensure the machine is fully charged before each session. Battery performance can degrade over time; consider replacing the battery if significantly reduced.

If problems persist, please contact Ambition customer support for further assistance.

SPECIFICATIONS

Feature	Specification
Product Name	Ambition Wireless Tattoo Machine
Length	145mm / 5.7 inches
Diameter	30mm / 1.18 inches
Net Weight	205g / 0.45 lb
Stroke Length	4.0mm
Motor	Coreless Motor, 10V - 9000RPM
Battery Capacity	1950mAh
Working Voltage	5-12V (±0.5V adjustment)
Charging Time	Approx. 2 hours
Continuous Working Time	6-8 hours (after full charge)
Product Dimensions (Box)	7.6 x 6 x 3.8 inches
Product Weight (Box)	2.2 Pounds
Color	Black
Water Resistance Level	Water Resistant



Image: Visual representation of the Ambition Wireless Tattoo Machine with a table summarizing its key specifications.

### WARRANTY AND SUPPORT

Ambition is committed to providing high-quality products. For warranty information or technical support, please refer to the documentation included with your purchase or visit the official Ambition brand store.  
**Official Brand Store:** [Ambition Store on Amazon](#)

