

## Ambition Standard Model

# Ambition Wireless Tattoo Machine User Manual

Model: Standard Model - Single Battery

## 1. INTRODUCTION

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Welcome to the user manual for your Ambition Wireless Tattoo Machine, Standard Model. This guide provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new tattoo pen. Please read this manual thoroughly before first use and retain it for future reference.

## 2. SAFETY INFORMATION

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For external use only. Always prioritize safety when operating tattoo equipment. Failure to follow safety guidelines can result in injury or damage to the device.

- Ensure the machine is clean and sterilized according to industry standards before each use.
- Always use sterile, single-use needle cartridges.
- Do not operate the machine if it appears damaged or malfunctioning.
- Keep the machine away from water and other liquids to prevent electrical hazards.
- Store the machine in a dry, safe place when not in use.
- Keep out of reach of children.

## 3. PACKAGE CONTENTS

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Verify that all items are present in your package:

- 1 x Wireless Tattoo Machine (with 42 mm grip)
- 1 x Extra 34 mm grip
- 1 x RCA adapter
- 1 x Fast charging cable
- 1 x Zipper box

## 4. PRODUCT OVERVIEW

The Ambition Wireless Tattoo Machine is a high-performance rotary tattoo pen designed for precision and durability. It features a brushless motor and a high-capacity battery for extended operation.

### Key Features:

- **Material:** Constructed from aluminum alloy body and stainless steel drive bar.
- **Motor:** Custom brushless motor (20x10 mm) for low vibration and reduced noise. Motor speed: 12V/10500 RPM, Torque: 180 g.cm.
- **Battery:** 2400 mAh capacity with a color touch screen. Offers 8-10 hours of operation at 8V.
- **Voltage Output:** Adjustable from 1V to 12V with a fixed current of 2A.
- **Stroke Length:** 4.0 mm.
- **Display:** Color touch screen with high sensitivity, operable even with gloves. Features include voltage, hertz, billing function, timer, flashlight page, time, and date.
- **Grips:** Includes two interchangeable grips (42 mm and 34 mm) for comfortable handling.



**AMBITION** | **Kiss of DRAGON**

# Traveler T1

**Kiss of Dragon Tattoo Machine**  
BRUSHLESS MOTOR STRAIGHT DRIVE BAR BATTERY PEN

Weight:266g
Size:133*42mm
Brushless Motor:20*10mm
Motor Speed:10V/10000rpm
Torque:180g.cm
Stroke Length:4.0mm
Voltage Range:1-12V
Battery Capacity:2400mAh
Battery Life:7-8Hours
Charger time:2-3Hours
Vibration value:1.1m/s <sup>2</sup>
Decibels:44-46dB

Image: The Ambition Wireless Tattoo Machine with its digital display, highlighting key specifications such as weight, size, motor details, battery capacity, and voltage range.

# HIGH CAPACITY BATTERY

Adjustable interval  $\pm 0.1V$



Battery capacity



Battery life



Charger time



Voltage range



Jump start



Billing function

NOTE: THE BATTERY LIFE IS THE TEST RESULT OBTAINED BY OUR COMPANY USING 05RM PIN HEADERS AT 8V VOLTAGE



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: An illustration of the machine's direct drive system, emphasizing the straight drive bar for less resistance and powerful needle impact.



# SWITCH THE MODE YOU LIKE

wireless or wired

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

Image: A detailed view of the machine's high-capacity 2400mAh battery and color touch screen, showing various display functions like voltage, hertz, and timer.

# DIRECT DRIVE SYSTEM



## Straight drive bar

Less resistance,  
more powerful.

- Hit the cartridges more harder and less skin loss
- Takes shading and color packing to be more efficient and a whole new level



Stroke  
**4.0mm**



Vibration value  
**1.1m/s<sup>2</sup>**



Decibels  
**44-46dB**



Image: The tattoo machine demonstrating its versatility, capable of both wireless operation and wired use via an RCA adapter when the battery is depleted.

# Powerful Brushless Motor



Motor Size  
**20\*10mm**



Motor Speed  
**10V10000Rpm**



Torque  
**180g.cm**

- **Longer service life**
- **Stronger power**
- **More Stable Output**
- **High torque**

Image: The machine presented with its two ergonomic grip options (42mm and 34mm), designed for comfort during long tattooing sessions.

## 5. SETUP

### 5.1. Charging the Battery

1. Connect the provided fast charging cable to the charging port on the machine.
2. Plug the other end of the cable into a 5V/2A charging adapter (not included).
3. The display will indicate charging status. A full charge typically takes 2-3 hours.
4. **Important:** Do not completely drain the battery before charging, as this can damage the battery life.

### 5.2. Attaching the Grip

1. Select your preferred grip size (42 mm or 34 mm).
2. Twist the grip onto the machine body until it is securely fastened.

### 5.3. Inserting a Needle Cartridge

1. Ensure the machine is powered off.
2. Gently push the needle cartridge into the front opening of the machine until it clicks into place.

3. Twist the grip to adjust needle depth as required.

## 5.4. Wired Operation (RCA Adapter)

If the battery runs out or for preference, the machine can be operated with an RCA cable.

1. Remove the battery pack by twisting it off.
2. Attach the provided RCA adapter to the machine body.
3. Connect a standard RCA cable from your power supply to the adapter.

## 6. OPERATING INSTRUCTIONS

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### 6.1. Powering On/Off

- **To Power On:** Press and hold the power button (usually the center button) for a few seconds until the display illuminates.
- **To Power Off:** Press and hold the power button again until the display turns off.

### 6.2. Adjusting Voltage

- Use the '+' and '-' buttons on the touch screen to increase or decrease the voltage.
- The voltage can be adjusted in 0.1V increments within the 1V-12V range.

### 6.3. Using the Touch Screen Interface

The color touch screen provides access to various functions:

- **Voltage Display:** Shows the current operating voltage.
- **Hertz (Hz):** Displays the machine's operating frequency.
- **Timer:** Tracks the duration of your tattooing session.
- **Billing Function:** Allows for tracking usage for billing purposes (refer to on-screen instructions for details).
- **Flashlight Page:** Access additional settings or features.
- **Lock Screen:** Prevents accidental changes during operation.

Navigate through the interface by tapping or swiping as indicated on the screen.

## 7. MAINTENANCE

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### 7.1. Cleaning

- Always disconnect the machine from any power source before cleaning.
- Wipe down the exterior of the machine with a clean, damp cloth and a mild, non-abrasive disinfectant.
- Do not immerse the machine in liquid.
- Ensure no liquids enter the motor housing or charging port.

### 7.2. Storage

- Store the machine in its zipper box or a protective case to prevent damage.
- Keep in a cool, dry place away from direct sunlight and extreme temperatures.

## 8. TROUBLESHOOTING

If you encounter issues with your Ambition Wireless Tattoo Machine, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Machine does not power on.	Battery is depleted.	Charge the battery fully.
	Power button not pressed correctly.	Press and hold the power button for a few seconds.
Machine stops during operation.	Battery is low.	Recharge the battery or switch to wired operation with the RCA adapter.
	Loose connection.	Ensure battery pack or RCA adapter is securely attached.
Voltage adjustment not working.	Screen is locked.	Unlock the screen via the touch interface.
Machine feels hot.	Prolonged continuous use.	Allow the machine to cool down. Ensure proper ventilation.

## 9. SPECIFICATIONS

Feature	Detail
Material	Aluminium alloy body, stainless steel drive bar
Product Dimensions	7.48 x 5.1 x 2.3 inches (134 mm length, 42 mm/34 mm width)
Item Weight	15.68 ounces (266 g / 212 g)
Motor Type	Brushless Motor
Motor Size	20 x 10 mm
Motor Speed	12V/10500 RPM
Torque	180 g.cm
Needle Stroke	4.0 mm
Battery Capacity	2400 mAh
Charging Time	2-3 hours
Operation Time	8-10 hours (under normal 8V voltage)
Output Voltage	1V-12V (adjustable)
Output Fixed Current	2A
UPC	810174734591

Feature	Detail
ASIN	B0FM1RGZJ1

## 10. WARRANTY AND SUPPORT

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For detailed warranty information, product support, or service inquiries, please refer to the official Ambition website or contact Ambition customer support directly. Keep your purchase receipt as proof of purchase for any warranty claims.

**Ambition Customer Support:** Please visit [Ambition Store on Amazon](#) for contact information and additional resources.