

BRONC V7

BRONC V7 Tattoo Machine User Manual

Model: V7 | Brand: BRONC

INTRODUCTION

The BRONC V7 Tattoo Machine is a rotary pen-style device designed for professional tattooing. It features a coreless motor, a high-capacity 2000mAh battery, and a 4.0mm stroke length, offering both standalone wireless operation and wired connectivity. Crafted from aircraft-grade aluminum with precision CNC technology, the V7 ensures durability and reliable performance. It incorporates advanced safety features such as overload and short-circuit warnings, along with automatic power-off protection.



Image: The BRONC V7 Tattoo Machine in Army Green, showcasing its sleek design and digital display.

SETUP

Package Contents Verification

Before beginning, ensure all components are present in the package:

- BRONC V7 Tattoo Pen
- High-Capacity Battery
- Type-C Charging Cable
- Coil Adapter
- Carrying Case



Image: The BRONC V7 Tattoo Machine, its battery, and the included carrying case, demonstrating the complete package.

Battery Charging and Installation

1. Connect the Type-C charging cable to the machine's charging port and a suitable USB power adapter.
2. Allow the battery to fully charge before first use. The digital display will indicate charging status.
3. To install the battery, align it correctly with the battery compartment and gently push until it clicks into place.

Needle Cartridge Installation

1. Ensure the machine is powered off.
2. Carefully insert the desired needle cartridge into the front opening of the machine, twisting slightly until it locks securely.
3. Adjust the needle depth by rotating the grip section of the machine. The needle depth range is 0-4.0mm.



Image: A close-up view of the BRONC V7 Tattoo Machine's tip, illustrating the proper way to insert a needle cartridge.

Dual Functionality Setup

The BRONC V7 supports both standalone wireless operation and connected usage. To switch to connected mode, remove the battery and attach the provided coil adapter. This allows the machine to be powered by an external power supply via an RCA connection (power supply and RCA cable not included).

OPERATING INSTRUCTIONS

Powering On/Off and Voltage Adjustment

- To power on, press and hold the power button (usually indicated by a circle with a vertical line) until the display illuminates.
- To power off, press and hold the power button again.
- Use the '+' and '-' buttons to adjust the voltage. The recommended operating voltage is 5.5V-7.5V, with a range of 5.0V-11.0V.

- The machine features a 9V jump-start function for certain needle types or starting conditions.

Safety Features

The BRONC V7 is equipped with built-in safety mechanisms:

- **Overload and Short-Circuit Warnings:** The machine will alert the user if an overload or short-circuit condition is detected.
- **Overload and Over-Current Protection:** The machine will automatically shut off if it gets stuck or experiences a short-circuit to prevent damage.

General Usage Tips

- Always ensure proper hygiene and sterilization practices when using the tattoo machine.
- Regularly check needle depth and adjust as needed for different tattooing techniques.
- Monitor the battery level on the display during wireless operation to avoid interruptions.

Your browser does not support the video tag.

Video: A demonstration of the BRONC V7 Tattoo Machine in use, showing the process of setting up the machine and performing tattooing work.

MAINTENANCE

Cleaning and Sterilization

- After each use, thoroughly clean the exterior of the machine with a suitable disinfectant wipe.
- Do not immerse the machine in liquids. The machine is water resistant, not waterproof.
- Ensure all disposable components (needle cartridges) are properly discarded after use.

Battery Care and Storage

- Store the machine and battery in a cool, dry place away from direct sunlight and extreme temperatures.
- For long-term storage, ensure the battery is partially charged (around 50%) to prolong its lifespan.
- Avoid overcharging or completely draining the battery frequently.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Machine does not turn on.	Low battery; incorrect battery installation; power button not pressed long enough.	Charge the battery; re-install battery correctly; press and hold power button for 3 seconds.
Machine stops during operation.	Low battery; overload/short-circuit protection activated.	Recharge battery; check for needle obstruction or short-circuit, then restart.
Unusual vibration or noise.	Loose needle cartridge; internal issue.	Ensure needle cartridge is securely locked; if problem persists, contact support.
Battery not charging.	Faulty cable or adapter; charging port issue.	Try a different Type-C cable and adapter; ensure cable is fully inserted.

SPECIFICATIONS

Parameter	Value
Material	Aircraft-grade aluminum
Stroke Length	4.0mm
Needle Depth Range	0-4.0mm
Motor Type	Swiss DC motor
No-Load Speed	12,000 rpm
Voltage Output Range	5.0V-11.0V
Recommended Operating Voltage	5.5V-7.5V
Battery Capacity	2000mAh
Operating Time (Test Results)	7-9 hours
Charging Method	Type-C Fast Charging
Battery Specifications	7V 18500 LI-ION
Dimensions (Diameter x Length)	(22-34) x 145mm
Weight (Pen with battery)	195g
Water Resistance Level	Water Resistant

WARRANTY AND SUPPORT

BRONC products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or service inquiries, please refer to the contact information provided with your product packaging or visit the official BRONC website. Please retain your proof of purchase for any warranty claims.