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› Dragonhawk X7 Tattoo Pen Machine Instruction Manual

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INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your Dragonhawk X7 Tattoo Pen Machine. Please read this manual thoroughly before operation to ensure proper handling and to maximize the lifespan of your device.



Image: The Dragonhawk X7 Tattoo Pen Machine, a wireless rotary tattoo gun with a smart display.

SAFETY INFORMATION

Always use with caution to avoid self-injury. This device is intended for professional use by trained individuals. Ensure proper sterilization and hygiene practices are followed before, during, and after each use.

SETUP GUIDE

- Charging the Battery:** Fully charge the tattoo machine before initial use. The device features a long-lasting battery, offering up to 12 hours of cordless run time. The charger is USB compatible for convenient charging via car, computer, or wall outlet.
- Attaching the Cartridge Needle:** Securely attach the desired cartridge needle to the machine. The 3.5mm stroke length is designed to accurately and forcefully push the needle, accommodating most tattoo cartridge needles on the market.
- Power On:** Press and hold the switch button to power on the device. The smart screen display will illuminate,

providing clear information.

INTEGRATED APPEARANCE

High Definition Screen Embedded In The Machine



Image: The integrated appearance of the Dragonhawk X7 Tattoo Pen Machine, highlighting its sleek design and embedded high-definition screen.

OPERATING INSTRUCTIONS

- **Smart Screen Display:** The Dragonhawk X7 features a smart screen for easy reading and control of different modes. The larger, brighter display enhances visibility during operation.
- **Voltage Adjustment:** Adjust the voltage using the voltage increase (+) and voltage reduction (-) keys according to the desired effect. The smart screen allows you to check different 5 levels and update the voltage list.
- **Mode Selection:** Set the machine for liner or shader levels. Utilize your favorite mode for lining, blending, layering, coloring, and detailing.
- **Advanced Direct Drive System:** The professional advanced direct drive system ensures smooth, precise, soft, and quiet operation. This system offers flexibility for every style, gently and smoothly transferring ink to the skin.
- **Initial Testing:** Before applying to skin, always start by testing on artificial skin to familiarize yourself with the machine's settings and performance.

HIGH RESOLUTION COLOR SCREEN

Color display of data information
More vivid and easy to understand

BATTERY DISPLAY

WORKING TIME DISPLAY

VOLTAGE DISPLAY

PAUSE PAGE

M₁ M₂ M₃

THREE MEMORY LEVEL

HUMANIZED
PRESET PARAMETERS

X7
DRAGONHAWK
Smart Screen AI Tattoo Machine
EASY TO OPERATE

DRAGONHAWK

VOLTAGE
INCREASE KEY

SWITCH BUTTON
Long press to power on/off
Short press to pause/resume

VOLTAGE
REDUCTION KEY
Adjustable interval +/- 0.1v

Image: A close-up of the high-resolution color screen on the Dragonhawk X7, showing battery display, working time, voltage display, and pause page, along with humanized preset parameters (M1, M2, M3).

3.5MM STROKE

• Brushless Motor-12V/10500Rpm
work great for liner or shader

• Direct Drive System-High Speed
low noise and working stable
low energy consumption but
more power



Image: Detail of the 3.5mm stroke mechanism, illustrating the brushless motor and direct drive system for high speed and low noise operation.

MAINTENANCE

- **Cleaning:** Clean the machine and the surrounding area thoroughly after each use to maintain hygiene and device performance. The aluminum alloy construction allows for easy cleaning.
- **Storage:** Store the tattoo machine in a dry and clean place when not in use.
- **Battery Care:** The device is designed for easy disassembly, maintenance, and replacement of its two 1800mAh batteries. Proper battery care ensures optimal cordless run time.



Image: The large-capacity battery system of the Dragonhawk X7, equipped with two replaceable 1800mAh batteries for extended, worry-free operation.

TROUBLESHOOTING

No specific troubleshooting steps are provided in the product information. For any operational issues or concerns, please refer to the support section for assistance.

SPECIFICATIONS

Feature	Detail
Weight	180g (excluding battery)
Diameter & Length	33mm * 135mm
Output Frequency	1-999 Hz

Battery Capacity	1800mAh * 2
Output Voltage	4-13V
Motor Type	Brushless Motor by Mcore
Working Time	8-12 hours (depending on usage)
Motor Speed	12V/10500Rpm
Stroke Length	3.5mm
Material	Aluminum Alloy (Precision CNC Technology)
Cognitive Chip	Built-in Mastlabs Smarter Intelligent Cognitive Chip



PARAMETERS

WEIGHT: 180g(excluding battery)

Diameter&Length: 33mm*135mm

Output frequency: 1–999 Hz

Battery Capacity: 1800mAh*2

Output voltage: 4–13v

Motor Type: Brushless Motor

Working Time: 8 hours

Motor Speed: 12V 10500Rpm

Stroke: 3.5mm

Image: Visual representation of the Dragonhawk X7 Tattoo Pen Machine alongside its key technical parameters.

MASTLABS SMARTER

INTELLIGENT COGNITIVE CHIP



AFTER COUNTLESS DATA SAMPLING OF PROFESSIONAL
TATTOO ARTISTS FEELING FROM USING FOR DIFFERENT SKIN AREAS

WHEN TURN THE POWER ON THE
CHIP
INSIDE WILL SENSE THE REQUIRED
OPERATING MODE AND
DO THE OUTPUT TO REAL-TIME
ADJUSTMENT TO
MAKE THE TATTOO
MACHINE RUNS STABLE.

MastLabs

THE COGNITIVE CHIP WILL SENSE THE RESISTANCE OF THE NEEDLE
PIERCING THE SKIN
ADJUST THE MOTOR TORQUE IN TIME TO ENSURE THE BEST PIERCING
STRENGTH, ANY SKIN AREA CAN BE EASILY COLORED

Image: A detailed view of the Mastlabs Smarter Intelligent Cognitive Chip, emphasizing its role in ensuring precise and powerful needle operation by sensing needle resistance and adjusting motor torque.

WARRANTY & SUPPORT

Dragonhawk provides coverage for your peace of mind. For any inquiries or support needs, please reach out through Amazon's messaging system.

Additionally, you can visit [Youtube.com/@Dragonhawkofficial](https://www.youtube.com/@Dragonhawkofficial) for video tutorials, setup guides, and professional tips on machine maintenance and technique breakdowns.

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