

[Manuals.plus](#) /

› [MAST TATTOO](#) /

› Mast Lancer Tattoo Pen Machine User Manual

MAST TATTOO XKDCB

Mast Lancer Tattoo Pen Machine User Manual

Model: XKDCB | Brand: MAST TATTOO

INTRODUCTION

The Mast Lancer Tattoo Pen Machine is a cordless rotary tattoo pen designed for professional tattoo artists and enthusiasts. Featuring a custom coreless Mcore motor, it offers high speed, low noise, and stable operation with low energy consumption. This machine is engineered for seamless blending, shading, and lining, providing precise and consistent results. It comes equipped with two replaceable 1900mAh batteries, ensuring extended working hours without interruption. The Lancer pen is compatible with all sizes of cartridge needles and is built for smooth, soft, and quiet operation, making it suitable for various tattooing styles and skin types.

SAFETY INFORMATION

- This product is intended for external use only.
- Always ensure proper sterilization of all equipment and needles before use to prevent cross-contamination.
- Do not operate the machine if it appears damaged or is not functioning correctly.
- Keep the device away from water and excessive moisture, as it is water-resistant but not fully waterproof.
- Store the machine and batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- Use only original or approved replacement parts and accessories.
- Dispose of used needles and other hazardous materials according to local regulations.

PRODUCT OVERVIEW



Figure 1: The Mast Lancer Tattoo Pen Machine, showing the pen, battery charger, and two rechargeable batteries.



Figure 2: Complete kit contents, including the tattoo pen, battery charger, two batteries, two additional grips, and a USB charging cable.

SETUP

1. Charging the Batteries



Figure 3: Place batteries into the charger for optimal charging.

1. Before first use, fully charge both 1900mAh batteries.
2. Connect the provided USB charging cable to the battery charger and a suitable USB power adapter (not included).
3. Insert the batteries into the charger. The charger's display will indicate charging status.
4. A full charge typically takes 2 to 3 hours. One fully charged battery can provide 8-12 hours of operation.

2. Installing the Battery

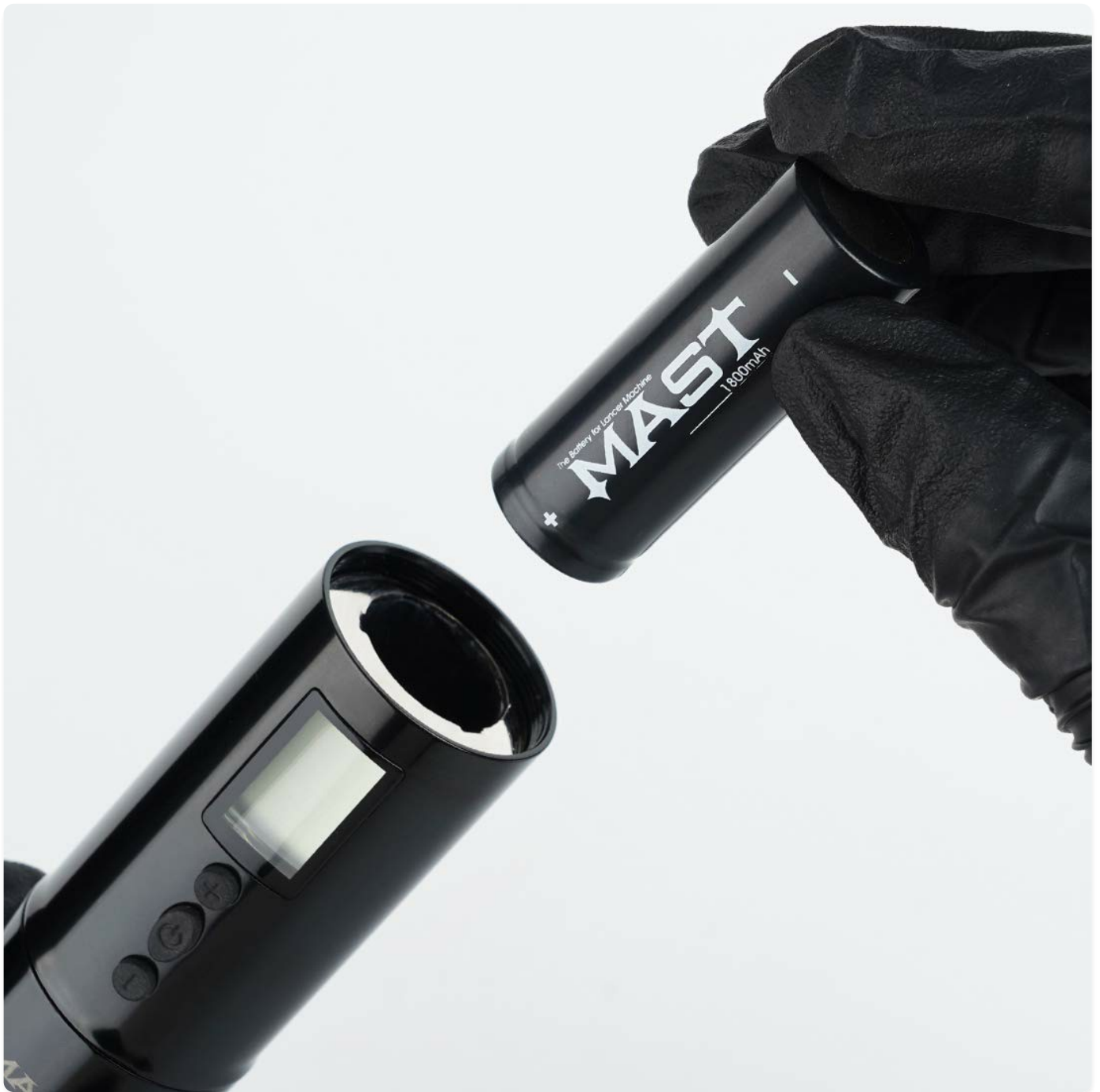


Figure 4: Align the battery correctly and insert it into the pen body.

1. Unscrew the bottom part of the tattoo pen to reveal the battery compartment.
2. Insert a fully charged battery, ensuring the positive (+) and negative (-) terminals are correctly aligned as indicated inside the compartment.
3. Screw the bottom part back onto the pen securely.

3. Attaching Cartridge Needles

MAST

Internal Spiral Needle Length Mechanism Scientific Design



Figure 5: The Mast Lancer pen with a cartridge needle securely attached.

1. Select the desired cartridge needle. Ensure it is sterile and compatible with the Mast Lancer pen.
2. Push the cartridge needle firmly into the front opening of the pen until it clicks into place.
3. To remove, twist the cartridge slightly and pull it out.

OPERATING INSTRUCTIONS

1. **Power On/Off:** Press and hold the power button (usually the center button) for a few seconds to turn the machine on or off. The LED screen will illuminate.
2. **Adjust Voltage:** Use the '+' and '-' buttons on the pen to adjust the voltage in 0.1V increments. The current voltage will be displayed on the LED screen. The recommended working voltage range is 5-12V.
3. **Adjust Needle Length:** Twist the grip of the pen to adjust the needle length. The needle length can be adjusted from 0mm up to 4mm, allowing for precise control over needle depth.
4. **Jumpstart Function:** If your machine has a jumpstart function (for starting with larger needle configurations),

activate it as needed. Refer to the on-screen indicators or specific button combinations if available.

- 5. **Memory Function:** Some models may retain the last used voltage setting. If available, the machine will power on to your previous setting.
- 6. **Battery Low Indicator:** When the battery is low, the LED screen will indicate a low power warning. Charge the battery for 2 to 3 hours when this occurs.
- 7. **Battery Replacement:** Replace the battery when it no longer holds a charge effectively or shows signs of degradation.

MAINTENANCE

- **Cleaning:** After each use, wipe down the exterior of the machine with a suitable disinfectant wipe. Do not immerse the machine in liquid. Ensure no liquids enter the internal components.
- **Sterilization:** While the machine itself cannot be autoclaved, ensure all components that come into contact with skin or ink (e.g., grips, needle cartridges) are properly sterilized or disposed of.
- **Storage:** Store the Mast Lancer pen and its accessories in a clean, dry, and dust-free environment when not in use.
- **Battery Care:** To prolong battery life, avoid overcharging or completely draining the batteries. If storing for an extended period, charge batteries to about 50% capacity.
- **Motor Maintenance:** The Mcore motor is designed to be maintenance-free. Do not attempt to disassemble the motor or lubricate internal components.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Machine does not turn on.	Battery is dead or improperly installed.	Ensure battery is fully charged and correctly inserted with proper polarity. Try a different charged battery.
Machine stops during operation.	Battery low or machine overheating.	Charge or replace the battery. Allow the machine to cool down if it feels hot.
Inconsistent needle movement or power.	Loose needle cartridge or low battery.	Ensure cartridge is securely attached. Check battery level and charge if necessary.
Charger display not working or batteries not charging.	Faulty cable, power source, or battery.	Check USB cable and power adapter. Try a different power source. Ensure batteries are inserted correctly.
Excessive vibration or noise.	Loose components or damaged needle cartridge.	Ensure all parts are securely assembled. Replace the needle cartridge. If problem persists, contact support.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	XKDCB
Brand	MAST TATTOO

Feature	Specification
Motor	Mcore Custom Coreless Motor
Motor Speed	12V/10500Rpm
Working Voltage	5-12V
Stroke Length	3.5mm
Adjustable Needle Length	0mm - 4mm (by twisting grip)
Battery Type	Rechargeable 1900mAh (2 included)
Battery Life	8-12 hours per battery (approx.)
Charging Time	2-3 hours
Weight	1.96 Pounds (approx. with packaging)
Water Resistance Level	Water Resistant

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Mast Lancer Tattoo Pen Machine, please contact MAST TATTOO customer service directly. Refer to the contact information provided with your product packaging or visit the official MAST TATTOO website for assistance.

It is recommended to register your product upon purchase to facilitate any future support needs.

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