

PEKOKO L4pro

PEKOKKO L4Pro Portable Handheld Laser Marking Machine User Manual

MODEL: L4PRO

1. INTRODUCTION

The PEKOKKO L4Pro is a portable handheld laser marking machine designed for versatile and precise marking applications. It features a 5-inch color touchscreen, proprietary software, and a user-friendly interface, making it suitable for various tasks such as marking QR codes, barcodes, text, serial numbers, dates, characters, images, and logos. Its lightweight and compact design, combined with a removable 9000 mAh battery, ensures portability and extended use.

L4Pro Portable Handheld Laser Marking Machine

5 Inch Touch Screen

Fast Engraving

Compact and portable

Multiple application

Removable Battery



Figure 1: PEKOKKO L4Pro highlighting its 5-inch touch screen, fast engraving, compact design, multiple applications, and removable battery.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the PEKOKKO L4Pro laser marking machine. Failure to follow these instructions may result in serious injury or property damage.

- **Eye Protection:** Always wear appropriate laser safety glasses when operating the device to protect your eyes from laser radiation.
- **Skin Protection:** Avoid direct exposure of skin to the laser beam.
- **Material Safety:** Do not mark highly reflective, flammable, or explosive materials. Ensure proper ventilation when marking materials that may produce fumes.
- **Authorized Use:** Only trained and authorized personnel should operate the laser marking machine.
- **Children and Pets:** Keep the device out of reach of children and pets.
- **Power Supply:** Use only the provided power adapter and ensure the power source matches the device's requirements.
- **Maintenance:** Do not attempt to disassemble or repair the device yourself. Contact customer support for

assistance.

3. PRODUCT OVERVIEW

3.1 Device Components

Familiarize yourself with the main components of your L4Pro laser marking machine:



Figure 2: L4Pro device components diagram.

1. **Host:** The main body of the marking machine.
2. **Battery:** Removable power source for portable operation.
3. **Protection Shield:** Orange shield covering the laser output area.
4. **Fan:** Cooling fan for internal components.
5. **USB Interface:** Port for data transfer and connectivity.
6. **Trigger Button:** Activates the laser for marking.
7. **Main Control Screen:** 5-inch color touchscreen for operation.
8. **Power Switch:** Button to turn the device on or off.

3.2 Package Contents

Upon unpacking, ensure all items listed below are present:



Figure 3: Standard package contents of the L4Pro.

- Metal Storage Box
- L4Pro Controller (Main Unit)
- Battery x2
- Power Adapter
- Tool Kit

4. SETUP

4.1 Battery Installation

The L4Pro uses a removable battery for convenience. To install or remove the battery:

1. Align the battery with the slot at the bottom of the main unit.
2. Gently slide the battery into place until it clicks securely.
3. To remove, press the release button on the battery and slide it out.



Figure 4: Battery installation process.

4.2 Powering On/Off

To power on the device, press and hold the Power Switch (8) until the screen illuminates. To power off, press and hold the Power Switch again until the device shuts down.

5. OPERATION

5.1 User Interface Navigation

The L4Pro features a 5-inch color touchscreen with an intuitive interface. Navigate through menus and options by tapping on the screen. The main screen provides access to various marking functions and settings.



Figure 5: Main control screen interface with various marking options.

5.2 Creating Marking Content

The L4Pro supports various content types for marking:

- **Text:** Input custom text using the on-screen keyboard.
- **Image:** Upload images or logos via the USB interface.
- **Serial Number:** Generate sequential numbers for batch marking.
- **Date:** Automatically insert current date or expiration dates.
- **Barcode/QR Code/DM Code:** Create various types of scannable codes.

Use the touchscreen to select the desired content type, input your data, and adjust parameters such as size, font, and position.

5.3 Preview Function

The device offers dual preview modes (projected edge and graphic outline) to accurately determine the marking position before engraving. This allows for quick adjustments and ensures precise placement of your design.

- **Projected Edge:** Displays a red light outline of the marking area on the target surface.

- **Graphic Outline:** Shows the full graphic outline for detailed positioning.

Access the preview function from the main control screen to verify your design's placement.

5.4 Marking Process

1. Prepare the material to be marked, ensuring it is clean and stable.
2. Create or load your desired marking content on the L4Pro's screen.
3. Use the preview function to align the marking area precisely on the material.
4. Hold the device firmly, ensuring the protection shield is close to the surface.
5. Press the Trigger Button (6) to initiate the laser marking process.
6. Move the device smoothly across the surface if marking a larger area, or hold steady for static marking.

5.5 Supported Materials

The L4Pro is capable of marking on a wide range of materials, including but not limited to:

- Painted Cosmetics
- Wood
- Kraft Paper
- Painted Metal
- Carton
- Canvas
- Animal Tags (plastic)
- Cans (metal)
- Mobile Phone Cases (plastic)

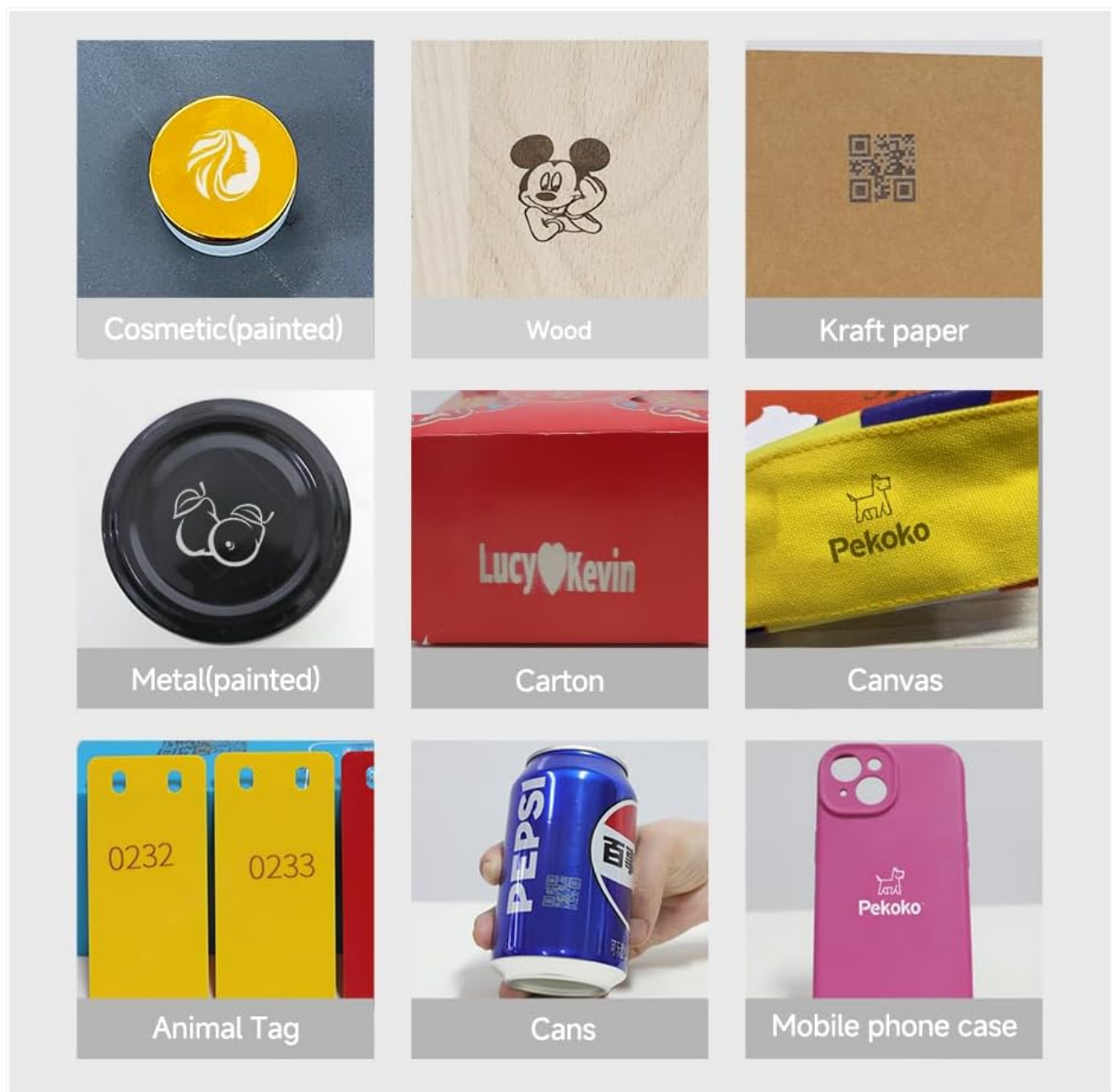


Figure 6: Examples of materials suitable for marking with the L4Pro.

6. MAINTENANCE

6.1 Cleaning

Regular cleaning helps maintain the performance and longevity of your device:

- **Exterior:** Wipe the exterior of the machine with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Screen:** Use a microfiber cloth specifically designed for electronic screens to clean the touchscreen.
- **Laser Output Area:** Ensure the laser output area and protection shield are free from dust and debris. Use a soft brush or compressed air if necessary.

6.2 Battery Care

Proper battery care extends battery life:

- **Charging:** Charge the battery fully before first use and whenever the battery level is low. Use only the provided power adapter.
- **Storage:** If storing the device for an extended period, charge the battery to approximately 50% and store it in a

cool, dry place.

- **Replacement:** If battery performance significantly degrades, consider replacing it with an official PEKOKKO replacement battery.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your L4Pro. If you experience problems not covered here, please contact customer support.

Problem	Possible Cause	Solution
Device does not power on	Low or depleted battery; Loose battery connection; Faulty power switch	Charge the battery; Reinstall the battery securely; Contact support if switch is faulty.
Poor marking quality	Incorrect laser settings; Unsuitable material; Dirty laser lens; Improper distance from material	Adjust laser power/speed settings; Ensure material compatibility; Clean the laser lens; Maintain correct focal distance.
Laser not firing	Safety interlock engaged; Trigger button not pressed correctly; System error	Ensure protection shield is correctly positioned; Press trigger firmly; Restart the device.
Touchscreen unresponsive	Software glitch; Screen damage	Restart the device; If issue persists, contact support.

8. SPECIFICATIONS

Feature	Specification
Brand	PEKOKO
Model Name	L4pro
Connectivity Technology	USB
Printing Technology	Laser
Special Feature	Lightweight, Touch Screen
Color	Black
Output Type	Monochrome
Max Print Speed (Monochrome)	12000 pages/minute
Item Weight	1.1 Kilograms
Item Dimensions (DxWxH)	9.8 x 18.1 x 17.7 centimeters
Control Method	Touch
Compatible Media	Labels
Battery Capacity	9000 mAh (up to 6+ hours continuous use)
Max Print Resolution (Color)	1200 x 1200 DPI

Feature	Specification
Max Print Resolution (Black/White)	1200 DPI
Duplex Printing	No (Simplex)
UPC	721587321912
Country of Origin	China

9. WARRANTY AND SUPPORT

9.1 Product Warranty

The PEKOKKO L4Pro laser marking machine comes with a **one-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper maintenance.

9.2 Customer Support

For technical assistance, troubleshooting, warranty claims, or any other inquiries, please contact PEKOKKO customer support through your retailer or the official PEKOKKO website. Please have your product model (L4pro) and purchase information ready when contacting support.