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› [DAJA](#) /

› [DAJA DJ6 Laser Engraver User Manual](#)

## DAJA DJ6 Pro-US

# DAJA DJ6 Laser Engraver User Manual

Model: DJ6 Pro-US

## 1. INTRODUCTION

Welcome to the DAJA DJ6 Laser Engraver user manual. This guide provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new laser engraving machine. Please read this manual thoroughly before use to ensure optimal performance and safety.

The DAJA DJ6 is a portable laser engraving machine designed for DIY enthusiasts and small businesses, supporting engraving on various materials with high precision. It features a Level 1 laser with 3,000 mW power.

### Safety Information

Always prioritize safety when operating the laser engraver. Ensure you wear the provided eye protection goggles during operation. Avoid direct exposure to the laser beam. Keep the device away from children and pets. Operate in a well-ventilated area.

## 2. PRODUCT OVERVIEW

The DAJA DJ6 Laser Engraver is a compact and versatile tool for various engraving tasks. Its unique design ensures stability and safety during operation.

### Key Features:

- **Powerful Laser:** Equipped with a 3000mW laser head module for faster and stronger engraving efficiency.
- **Stable Design:** Unique base design with anti-slip legs provides engraving stability and prevents unintentional movement.
- **Eye Protection:** Built-in eye protection lens and cooling fans ensure user safety and device longevity.
- **Versatile Material Compatibility:** Engraves on papers, Kraft papers, woods, ceramics, leathers, bamboos, painted metal, and more.
- **Multiple Engraving Modes:** Choose from Black and white, Grayscale, Outline, and Sketch modes to enrich your engraving needs.
- **Easy Connectivity:** Supports Windows system, mobile app (self-developed), and offline engraving mode.

- **Portable Design:** Made from aluminum and ABS materials, making it robust and lightweight for easy portability.

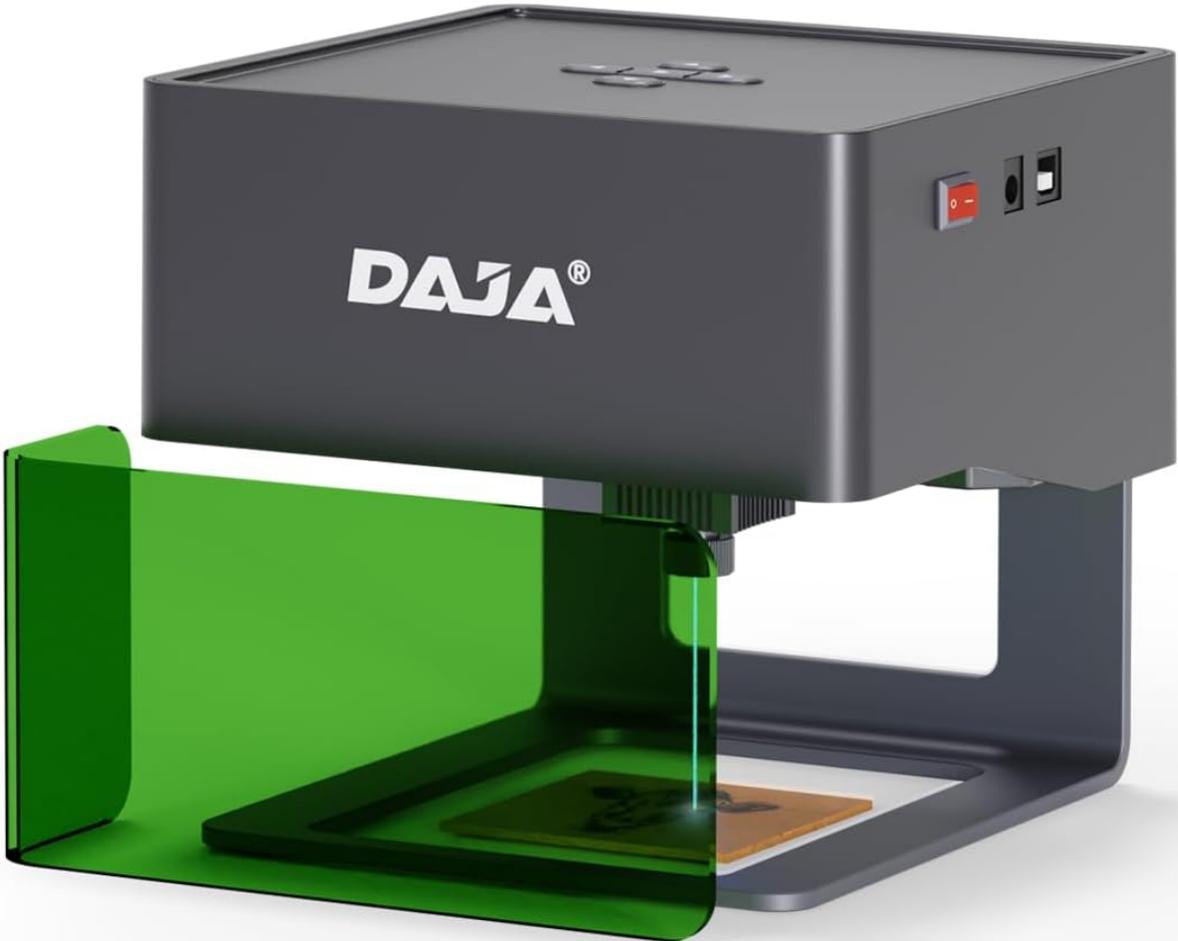


Figure 2.1: DAJA DJ6 Laser Engraver with its protective shield and included accessories like laser glasses and height columns.

# Laser Class: Level 1

# Laser Power: 3,000mW



Figure 2.2: The DAJA DJ6 Laser Engraver highlighting its Level 1 laser class and 3,000 mW laser power.

# Compact & Capability

Laser accuracy 0.05mm for HD reprint



DIY Home Decor



Customized Gifts



Small Business

Figure 2.3: The compact design of the DAJA DJ6, showcasing its 0.05mm laser accuracy for high-definition reprints and its suitability for DIY home decor, customized gifts, and small business applications.

# Custom Raised Columns

With the carver raised, more items can easily be placed.



Figure 2.4: The DAJA DJ6 with its higher columns, allowing for engraving on taller or larger objects by raising the engraver's height.

## 3. SETUP

Before operating your DAJA DJ6, ensure it is properly set up.

### 3.1 Unpacking and Initial Inspection

1. Carefully remove all components from the packaging.
2. Verify that all accessories listed in the product manual are present.
3. Inspect the device for any visible damage. If damaged, do not operate and contact customer support.

### 3.2 Power Connection

1. Connect the power adapter to the engraver and then to a suitable power outlet.
2. Turn on the engraver using the power switch.

### 3.3 Software and App Installation

1. For PC users, install the software compatible with Windows from the official DAJA website or provided media.
2. For mobile users, download the self-developed DAJA mobile app from your device's app store.
3. Ensure your device (PC or mobile) is connected to the engraver via the appropriate method (USB for PC, Bluetooth for mobile).

### 3.4 Focusing the Laser

Accurate focusing is crucial for optimal engraving results. The DJ6 features easy rotational focusing.

1. Place the material to be engraved directly under the laser head.
2. Rotate the laser knob left or right to adjust the laser spot to its minimum size. A smaller laser spot results in better engraving quality.



Figure 3.1: Illustration of easy rotational focusing, showing how to adjust the laser knob to minimize the laser spot for improved engraving.

## 4. OPERATING INSTRUCTIONS

The DAJA DJ6 offers multiple ways to engrave your designs.

### 4.1 Engraving Modes

The engraver supports four main working modes:

- **Black and White:** Ideal for simple line art and text.
- **Grayscale:** For images with varying shades, providing more detailed results.

- **Outline:** Engraves only the contours of a design.
- **Sketch:** Converts images into a sketch-like engraving.

# Multiple modes For easy engraving



Android



ios



Windows



Mac OS



Figure 4.1: Overview of the multiple engraving modes available through the mobile app, including photo engraving from gallery, direct photo engraving, drawing graphic engraving, and custom text for WordArt.

## 4.2 Compatible Materials

The DAJA DJ6 can engrave on a wide range of materials, including but not limited to:

- Paper and Kraft paper
- Wood and Bamboo
- Ceramics
- Leather
- Painted Metal

- Glass (for surface etching)
- Rubber

Note: The engraver is not suitable for engraving on bare metal surfaces unless they are painted or coated.

## See What It Can Do



Figure 4.2: Examples of materials that can be engraved, including paper, wood, metallic paint, food, painted metal, glass, leather bags, leather collars, ceramic cups, and rubber.

### 4.3 Offline Engraving

The DJ6 supports offline engraving, allowing you to engrave without a PC or mobile device. The machine remembers the last engraving and parameters, making it convenient for repetitive tasks.

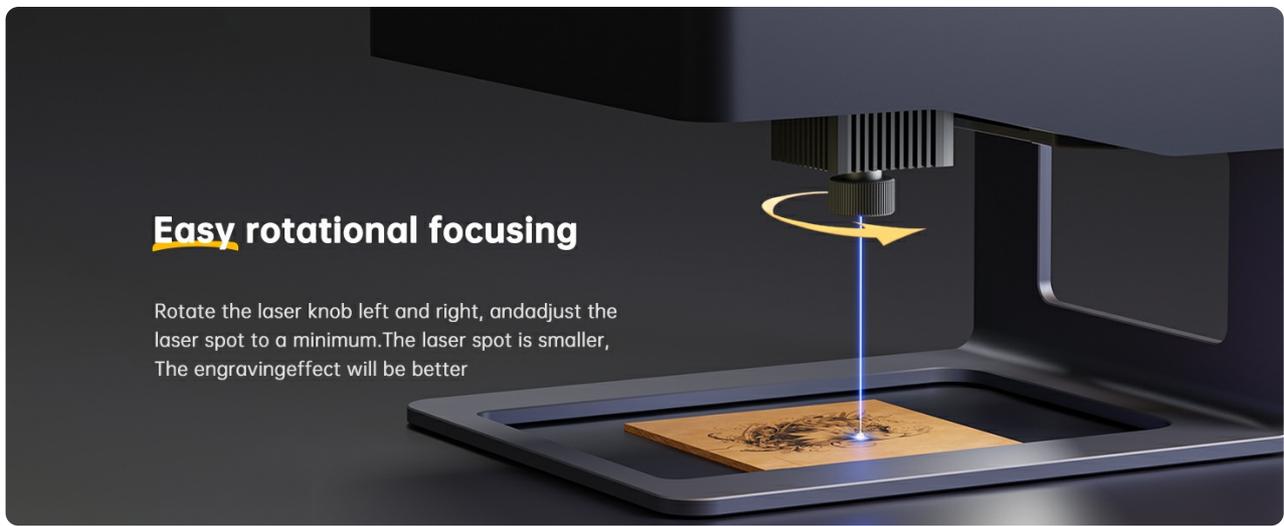


Figure 4.3: The DAJA DJ6 supports offline engraving, remembering the last parameters for convenience. The image shows the top panel with operation keys for offline control.

## 4.4 Official Product Videos

Watch these official videos from the seller for detailed demonstrations of the DAJA DJ6 Laser Engraver in action.

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Video 4.1: DJ6 Operating Video on wood. This video demonstrates the laser engraver's operation on wood material, showcasing its capabilities and precision.

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Video 4.2: DJ6 Laser Engraving Machine. A comprehensive video showcasing the features and general operation of the DJ6 Laser Engraving Machine.

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Video 4.3: MR.CARVE-D6 Portable Laser Engraver Machine. This video provides an overview of the portable aspects and general use cases of the MR.CARVE-D6 engraver.

## 5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your DAJA DJ6 Laser Engraver.

- **Cleaning the Lens:** Regularly inspect and clean the laser lens to prevent dust and debris buildup, which can affect engraving quality. Use a soft, lint-free cloth and lens cleaning solution.
- **Ventilation:** Ensure the cooling fans are free from obstructions to maintain proper airflow and prevent overheating.
- **Storage:** When not in use, store the engraver in a dry, dust-free environment.

## 6. TROUBLESHOOTING

If you encounter issues with your DAJA DJ6, refer to the common problems and solutions below.

- **Engraver not turning on:**

- Check if the power adapter is securely connected to both the engraver and the power outlet.
- Ensure the power switch is in the "ON" position.

- **Laser not engraving or engraving faintly:**

- Verify that the laser is properly focused (see Section 3.4).
- Ensure the material is compatible with the laser engraver (see Section 4.2).
- Check the power settings in the software/app; increase power if necessary.
- Clean the laser lens if it appears dirty.

- **Connection issues (PC/Mobile):**

- For PC, ensure USB drivers are correctly installed and the cable is secure.
- For mobile, ensure Bluetooth is enabled on both devices and they are paired.
- Restart the engraver and your device.

- **Software/App issues:**

- Ensure you are using the latest version of the software/app.
- Refer to the software/app's specific help documentation for detailed guidance.

If the problem persists, please contact DAJA customer support for further assistance.

## 7. SPECIFICATIONS

Feature	Specification
Brand	DAJA
Model Number	DJ6 Pro-US
Laser Class	Level 1
Laser Power	3,000 mW
Product Dimensions	9.84 x 9.84 x 7.87 inches
Item Weight	3.87 pounds
Working Area	3.15 * 3.15 inches
Connectivity	Windows System, Mobile App (Bluetooth), Offline
Manufacturer	DAJA
Country of Origin	China

## 8. WARRANTY AND SUPPORT

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For warranty information, product registration, and technical support, please refer to the documentation included with your product or visit the official DAJA website. You can also contact the seller directly through the platform where you purchased the product.

**Manufacturer:** DAJA

**Seller:** MR.CARVE LASER