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› DAJA A6 Pro Laser Engraver Instruction Manual

DAJA A6 Pro

DAJA A6 Pro Laser Engraver Instruction Manual

Model: A6 Pro (5W)

1. INTRODUCTION

1.1 Product Overview

The DAJA A6 Pro is a versatile and user-friendly laser engraving machine designed for various creative and professional applications. It features a fully enclosed design for enhanced safety and supports multiple operating systems and software for flexible use.



Image: The DAJA A6 Pro Laser Engraver, a compact and enclosed unit.

1.2 Key Features

- **Interchangeable Laser Heads:** Supports both blue laser (for wood, craft paper, plain metal) and infrared laser (for metal, plastic) to accommodate diverse materials.
- **Ample Working Area:** A 300mm x 300mm engraving area provides sufficient space for various projects. The machine can be raised with a riser for larger items.
- **Multiple System Compatibility:** Operates with GRBL and LightBurn software, compatible with mobile phones and laptops.

- **Enhanced Safety:** Features a fully enclosed acrylic shield, built-in fan, emergency stop function, tilt detection, and protective cover open detection.

2. SAFETY INFORMATION

Your safety is paramount. The DAJA A6 Pro is equipped with several features to ensure a safe operating environment. Always adhere to the following safety guidelines:

- **Laser Class 2:** This device contains a Class 2 laser. Avoid direct exposure to the laser beam.
- **Fully Enclosed Design:** The machine is fully enclosed with an acrylic shield to prevent direct laser exposure during operation. Do not operate the machine with the shield open.
- **Built-in Fan:** A fan is integrated to help manage fumes and particles generated during engraving. Ensure proper ventilation in your workspace.
- **Emergency Stop Function:** An emergency stop button is provided for immediate shutdown in case of any unexpected issues.
- **Tilt and Lid Open Safety:** The machine will automatically stop operation if it tilts or if the protective cover is opened during use.
- **Child Safety Lock:** The device includes a child safety lock mechanism to prevent unauthorized use.
- **Flame Detector:** The laser module is equipped with a flame detector that will set off an alarm and stop operation if a flame is detected.

完璧に再現されたディテール

高出力半導体レーザー

圧縮光スポット技術、ミクロン単位のレーザーフォーカス

レーザー精度

0.01MM



Image: Overview of DAJA A6 Pro safety features including lid open safety, laser filter, powerful exhaust fan, child-safe lock, emergency stop switch, flame alarm, and tilt support.

私たちはお客様の安全を非常に重視しています！

DAJA A6には超強力な自動検出機能がある



炎検知器

DAJA A6のレーザーモジュールにある炎検知器がアラームをセットし、炎と煙が検知されると作動を停止してアラームを発する。



傾斜警告システム

DAJA A6はジャイロスコプシステムを採用しており、マシンが傾くと作動が停止し、アラームが鳴る。

Image: Illustration of the lid open safety stop design, showing the machine stopping when the lid is raised.



Image: Visual representation of the flame detector and tilt warning system, highlighting how the machine detects and responds to hazards.

3. SETUP

3.1 Package Contents

Before assembly, ensure all components are present:

- Main Unit
- Laser Module
- Power Supply (AC adapter)
- Modular Lens (for replacement)
- TF Card
- Card Reader
- Key
- Toolkit

- Material/Package (sample materials)
- Cable
- Goggles
- Brush

3.2 Modular Assembly

The DAJA A6 Pro features a modular design for easy assembly. Follow the instructions provided in the included manual for step-by-step assembly. Ensure all connections are secure before powering on the device.



Image: Exploded view of the DAJA A6 Pro showing its modular components and a list of included accessories.

3.3 Connecting the Device

Connect the power supply to the DC24V port. Use a Type-C cable to connect to a computer or insert a TF card for offline operation. A roller can also be connected for cylindrical engraving.

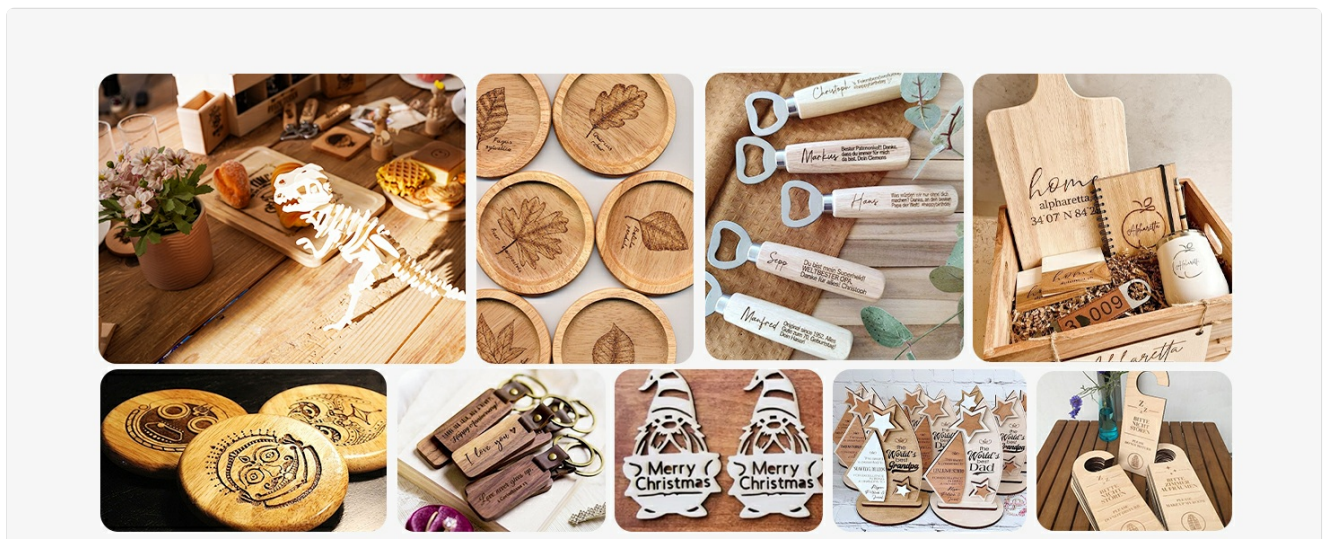


Image: Detailed view of the DAJA A6 Pro's key interfaces, including Type-C, DC24V, LCD, TF card slot, and power button, with labels for their functions.

4. OPERATING INSTRUCTIONS

4.1 Software and Connectivity

The A6 Pro supports various operating systems and software:

- **Operating Systems:** Windows, Mac OS, Linux, iOS, Android.
- **Software:** GRBL, LightBurn, CutLabX. Choose the software that best suits your workflow.
- **Connectivity:** WiFi, USB, TF Card (offline mode).
- **Supported File Formats:** JPG, PNG, SVG, DXF, BMP, PLT, AI.

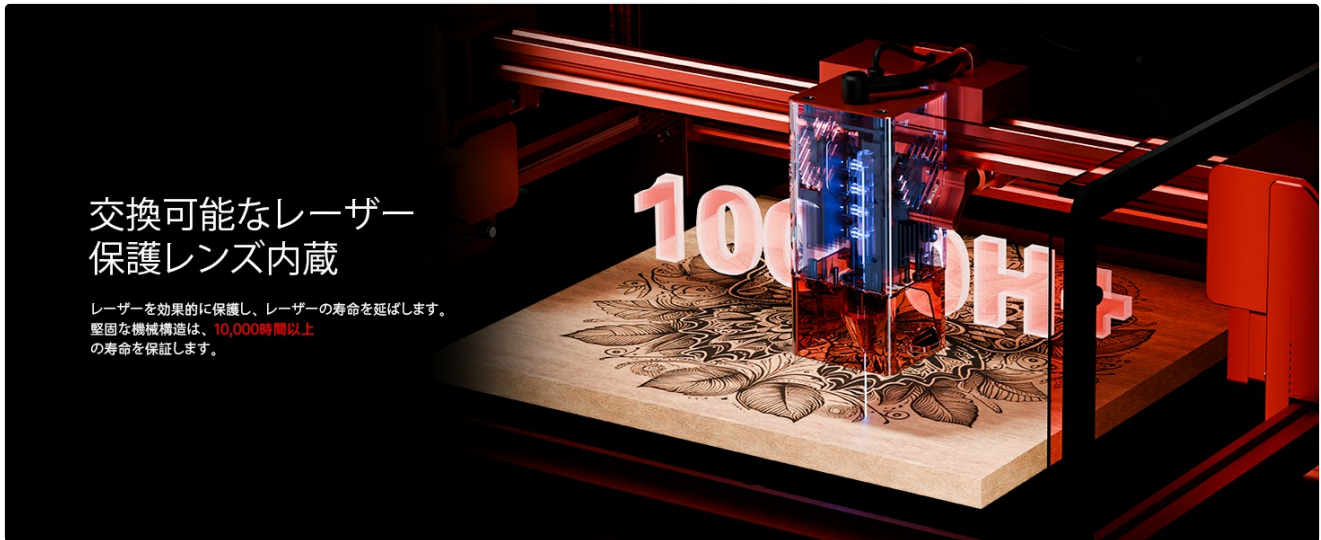


Image: Display of software compatibility (GRBL, LightBurn, CutLabX) and connectivity options (WiFi, USB, TF Card, Offline) for the DAJA A6 Pro.

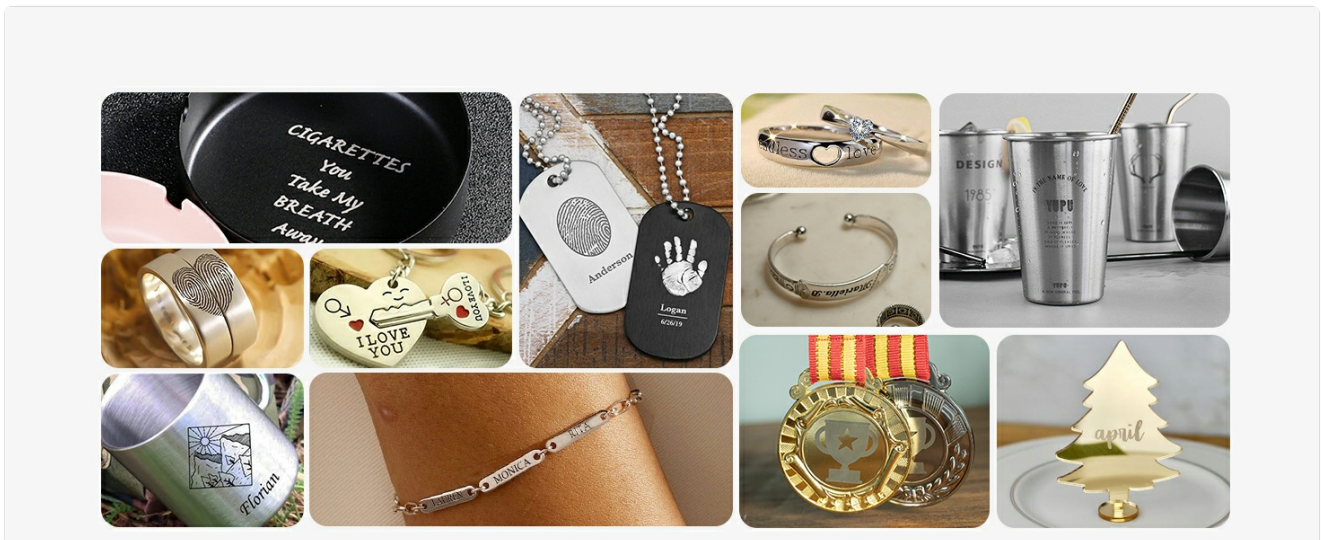


Image: Illustration of the DAJA A6 Pro's wide compatibility with Windows, Mac OS, and Linux, showing various connection options and supported software.

4.2 Engraving and Cutting Capabilities

The A6 Pro offers high-precision engraving and strong cutting capabilities:

- **High Precision:** Achieves laser precision of 0.01mm with its high-power semiconductor laser, utilizing compressed spot technology and micron-level laser focus.
- **Interchangeable Laser Heads:**
 - **Blue Laser (455nm):** Power 5W/10W, spot size 0.06mm. Suitable for engraving wood, craft paper, and plain metal.

- **Infrared Laser (1064nm):** Peak power 15W, spot size 0.03mm. Ideal for marking metal and plastic.
- **Material Compatibility:** Supports over 300 engravable materials including glass, paper, wood, ceramics, leather, acrylic, plastic, painted metal, stone, PVC board, food, gold, silver, aluminum, platinum, copper, titanium, electroplated steel, and stainless steel.
- **Cutting:** Capable of cutting materials like 8mm pine, 4mm opaque acrylic, and 8mm paper.



Image: Close-up of the DAJA A6 Pro's high-power semiconductor laser, emphasizing 0.01mm laser precision for detailed engraving.



Image: Examples of strong laser cutting capabilities, showing cuts in 8mm pine, 4mm opaque acrylic, and 8mm paper.

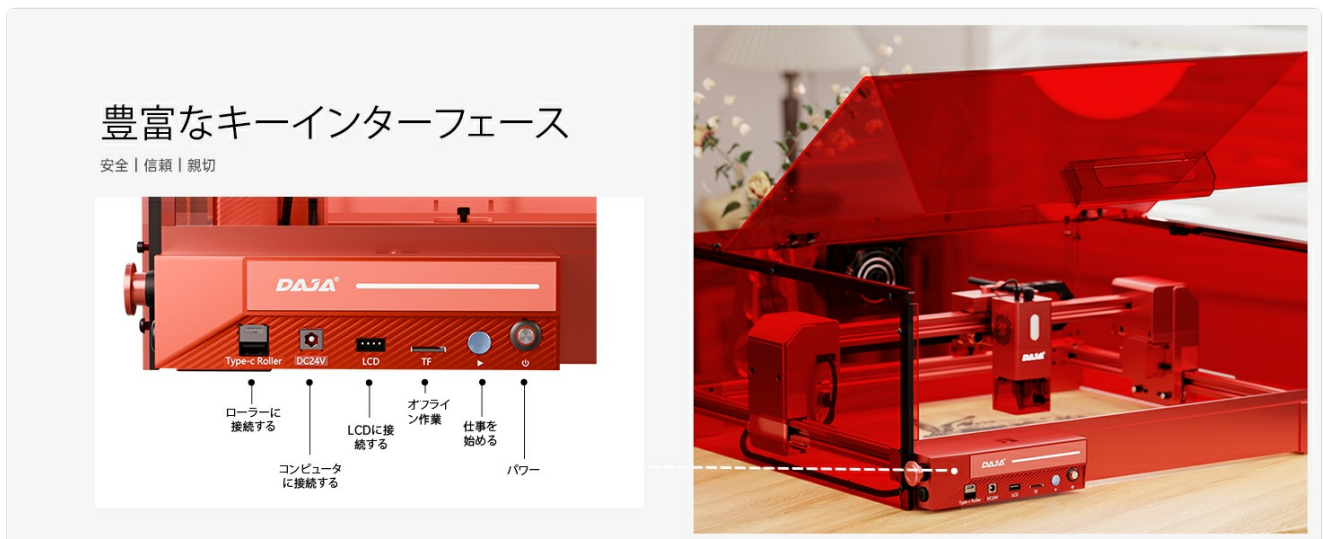


Image: Visual guide to the 300+ engravable materials supported by the DAJA A6 Pro, differentiating between blue and infrared laser applications.

4.3 Applications

The DAJA A6 Pro can be used for a wide range of applications, including:

- Customizing pet tags
- Branding products
- Creating commemorative items for anniversaries
- DIY hobby projects
- Personalized gifts
- Small business product customization



Image: Examples of items that can be created with the DAJA A6 Pro, such as customized pet tags, branded tumblers, anniversary keychains, DIY crafts, gifts, and small business products.

モジュール式組み立て、完成まで簡単



製品パラメーター	アクセサリ一覧
モデル A6	モジュールレンズの交換
入力 12V4A	TFカード
パワー: 48W	カードリーダー
波長: 445±5nm	キー
機械サイズ: 528*471*168mm	使用方法
彫刻サイズ: 300 x 300 mm	ツールキット
正味重量: 3.2Kg	素材パッケージ
ファイル形式 JPEG/JPG/PNG/BMP/SVG/DXF/AI	電源アダプター
データ通信 USB/Wi-Fi/TFカード	ケーブル
対応システム: WinXP/7/8/10/11/ Mac OS/ Linux	ゴーグル
オペレーティング・ソフトウェア: LightBurn/LaserGRBL/Cutlabx	ブラシ

Image: The DAJA A6 Pro shown with an external smoke machine, illustrating how it improves cutting effects by quickly filtering particles and removing odors.

5. MAINTENANCE

5.1 Laser Protection Lens

The laser module includes an interchangeable laser protection lens. This lens effectively protects the laser and extends its lifespan. The robust mechanical structure ensures a lifespan of over 10,000 hours.

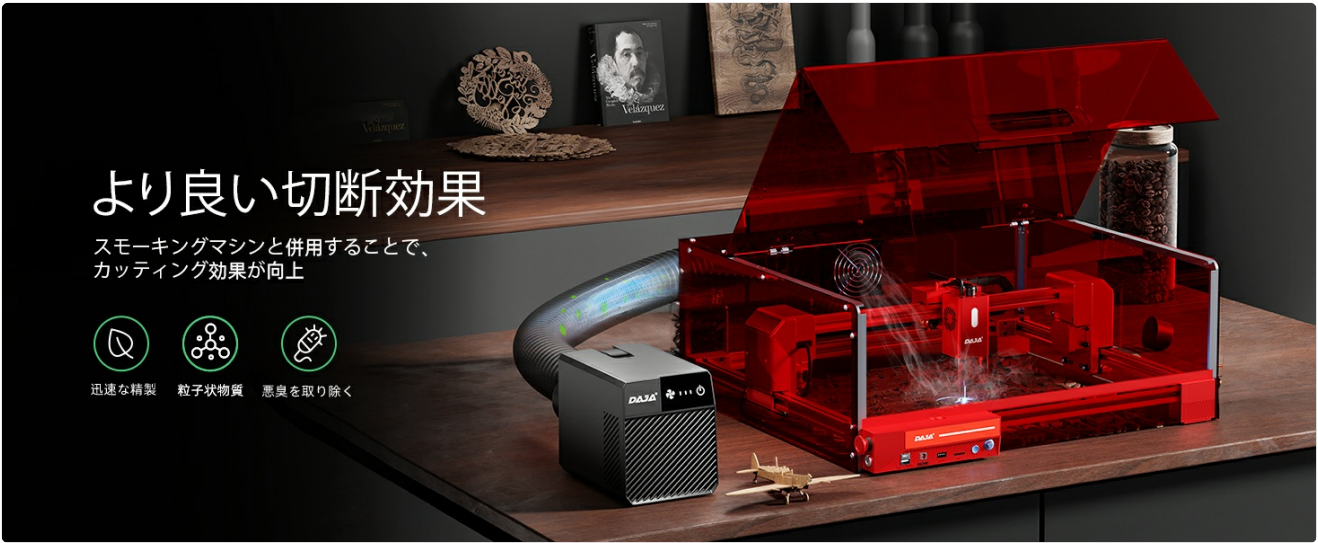


Image: The interchangeable laser protection lens of the DAJA A6 Pro, highlighting its role in protecting the laser and ensuring a long lifespan of over 10,000 hours.

5.2 Cleaning

Regularly clean the machine, especially the laser lens and the working area, to ensure optimal performance and longevity. Use a soft, lint-free cloth and appropriate cleaning solutions as recommended in the full product manual.

6. TROUBLESHOOTING

6.1 Technical Support

For technical issues, refer to the official after-sales service card and manual included in the machine's package. These resources provide detailed guidance for resolving common problems.

6.2 USB Flash Drive Content

If the USB flash drive included with your machine appears empty, please note that the content is in ZIP format and needs to be unzipped. This applies to both Windows and virtual Windows systems on Mac.

6.3 After-Sales Contact

For further assistance, please contact us through the Amazon message box. Provide your order information so we can review your feedback and address your concerns in a timely manner. Your support is appreciated.

7. SPECIFICATIONS

Feature	Specification
Brand	DAJA

Feature	Specification
Model Number	A6 Pro
Power (Laser)	5W (Blue Laser), 15W Peak (Infrared Laser)
Input Power	48W
Power Source	AC
Wavelength	455nm (Blue Laser), 1064nm (Infrared Laser)
Machine Size	528 x 477 x 168 mm
Engraving Area	300 x 300 mm
Net Weight	3.2 kg
Package Size	59 x 45 x 25 cm
Item Weight (packaged)	7 kg
Data Transmission	USB / WiFi / TF Card
Supported OS	WinXP/7/8/10/11, Mac OS, Linux
Operating Software	LightBurn, LaserGRBL, CutLabX

8. WARRANTY AND SUPPORT

The DAJA A6 Pro comes with an official after-sales service card and a detailed manual included in the product packaging. For any inquiries or support needs, please refer to these documents or contact DAJA customer service directly through the Amazon messaging system. Ensure you provide your order details for efficient assistance.

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