Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

FONLAND D4

FONLAND DAJA DJ7 Laser Engraver User Manual

Model: D4

1. Introduction

This manual provides comprehensive instructions for the safe and effective use of your FONLAND DAJA DJ7 Laser Engraver. This portable mini laser cutter and engraver is designed for various materials such as wood, leather, paper, and plastics. It is important to read this manual thoroughly before operation to ensure proper setup, usage, and maintenance.



Image: The FONLAND DAJA DJ7 Laser Engraver actively engraving a design onto a wooden surface, demonstrating its functionality and compact size.

2. Safety Information

Operating a laser engraver involves potential hazards. Adhere to all safety precautions to prevent injury or damage to the device.

- **Eye Protection:** Always wear the provided safety goggles during operation to protect your eyes from laser radiation. Direct exposure to the laser beam can cause severe eye damage.
- **Ventilation:** Ensure adequate ventilation in the work area. Engraving materials can produce fumes and particles that may be harmful if inhaled.
- **Flammable Materials:** Do not engrave highly flammable materials. Keep a fire extinguisher nearby.
- **Material Compatibility:** This device is designed for wood, leather, paper, and plastics. It**cannot engrave metal or stainless steel**. Attempting to engrave incompatible materials may damage the machine or create hazardous conditions.
- **Supervision:** Never leave the engraver unattended during operation.

- **Children and Pets:** Keep children and pets away from the operating area.
- **Power Supply:** Use only the specified power adapter.



Image: A yellow caution sign indicating important safety warnings.

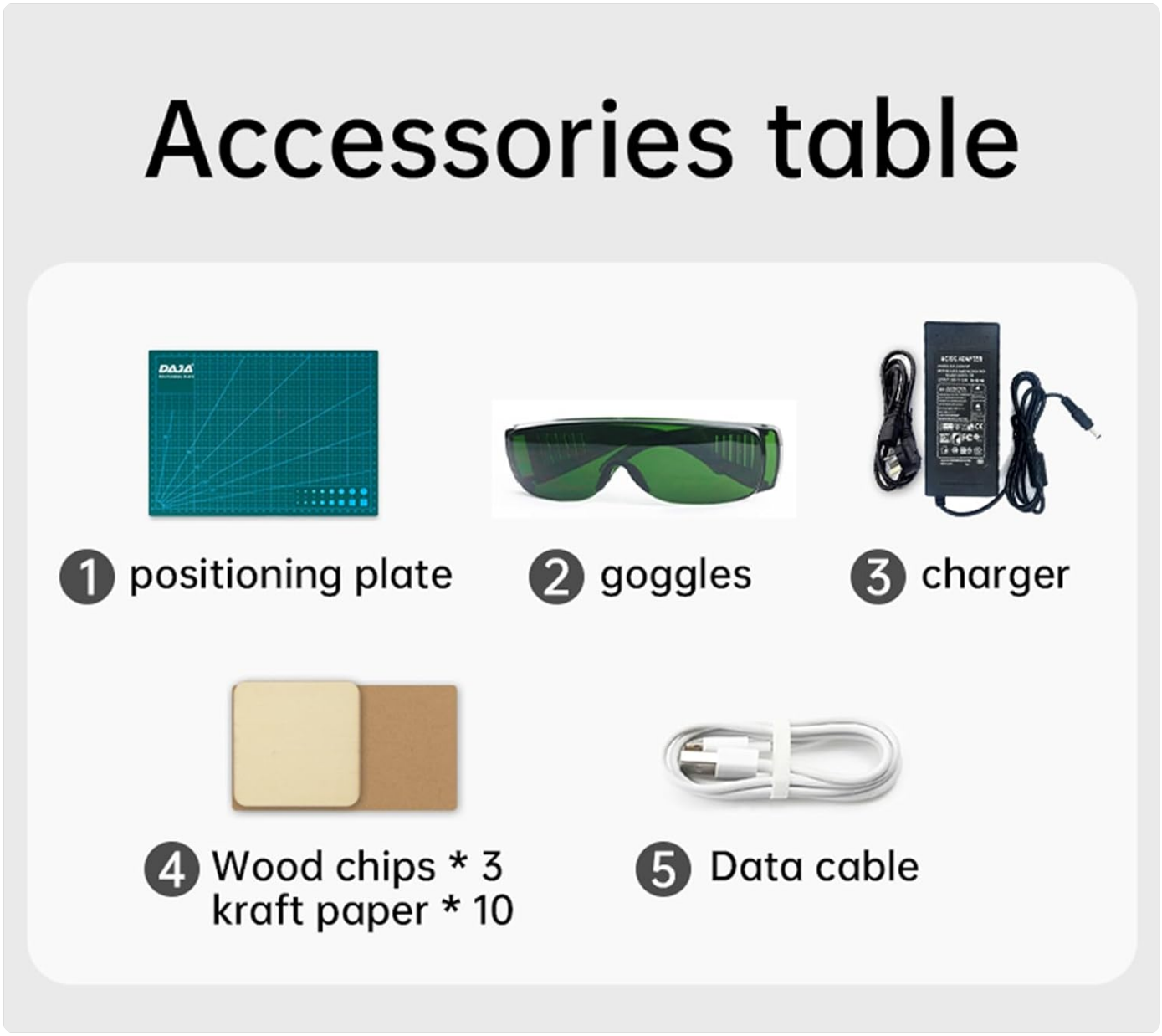


Image: Included accessories, highlighting the essential safety goggles (item 2).

3. Product Overview and Components

Familiarize yourself with the main components of your laser engraver.

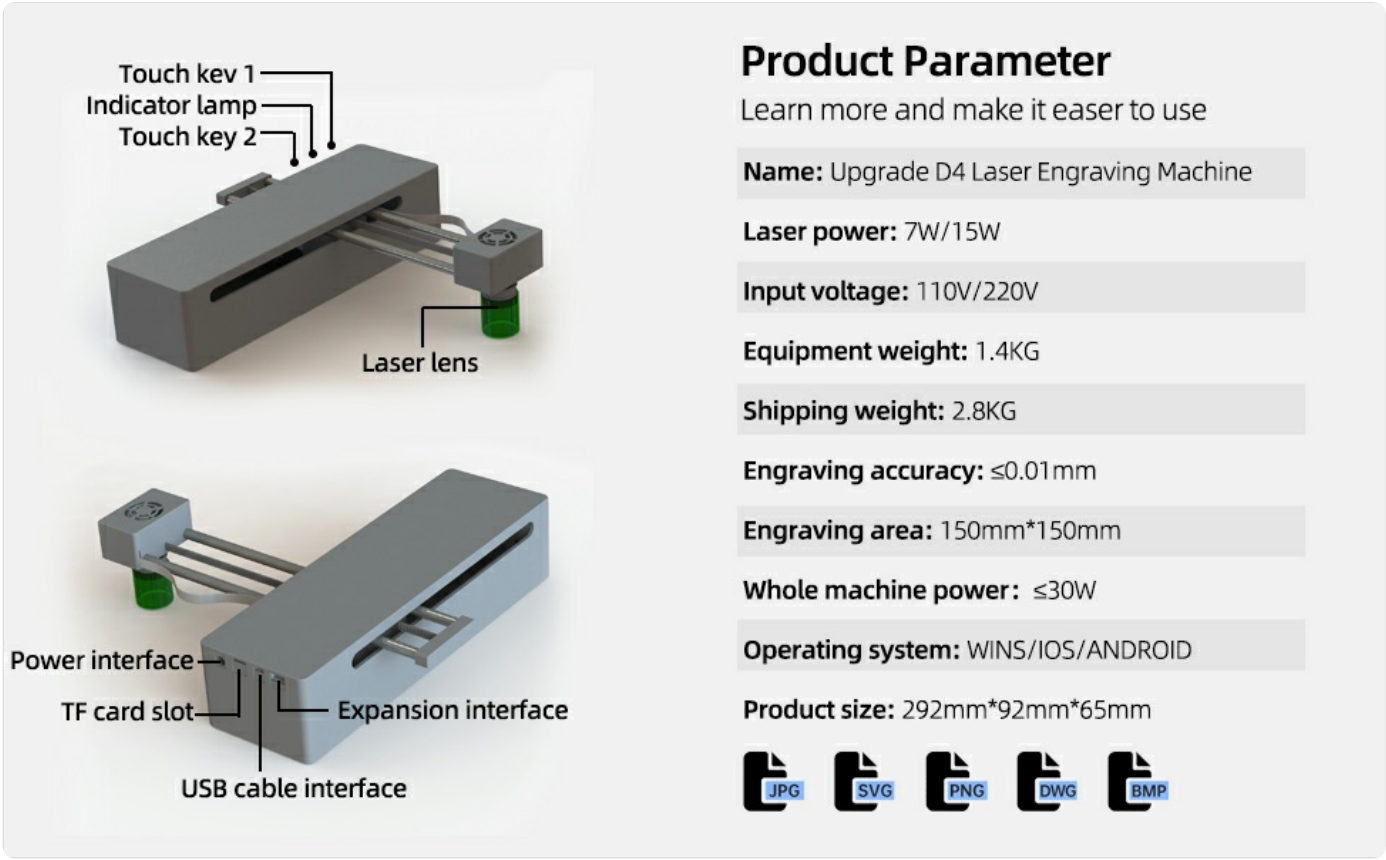


Image: Detailed diagram illustrating the various parts and interfaces of the D4 Laser Engraving Machine.

Key Components:

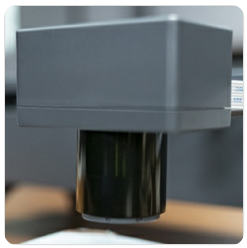
- **Laser Module:** Contains the laser lens and fan for cooling.
- **Main Body:** Houses the control electronics and linear guides.
- **Touch Keys:** For basic control (Touch key 1, Touch key 2).
- **Indicator Lamp:** Provides status feedback.
- **Power Interface:** For connecting the power adapter.
- **TF Card Slot:** For offline engraving (if supported by firmware).
- **USB Cable Interface:** For connecting to a computer or mobile device.
- **Expansion Interface:** For future accessories or expanded functionality.



Laser Module Fan



Connection Ports



Laser Lens

4. Setup

Follow these steps to set up your FONLAND DAJA DJ7 Laser Engraver.

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all accessories listed in Section 3 are present.
2. **Placement:** Place the engraver on a stable, level surface in a well-ventilated area, away from flammable materials.
3. **Power Connection:** Connect the provided power adapter to the engraver's power interface and then plug it into a suitable power outlet.
4. **Data Connection:** Connect the engraver to your computer or mobile device using the supplied USB cable.
5. **Software/App Installation:** Install the engraving software on your computer (Windows/macOS) or the dedicated app on your mobile device (Android/iOS). Refer to the included USB drive or manufacturer's website for software download and installation instructions.
6. **Material Placement:** Place the material to be engraved on the positioning plate, ensuring it is flat and stable under the laser module.



Image: The engraver connected to a laptop and a mobile phone, illustrating its compatibility with multiple operating systems.

5. Operating Instructions

This section outlines the general steps for operating your laser engraver.

1. **Power On:** Turn on the engraver. The indicator lamp should illuminate.
2. **Software/App Launch:** Open the engraving software on your computer or the app on your mobile device.
3. **Connect Device:** Within the software/app, connect to the engraver. Ensure the device is recognized.
4. **Import Design:** Import your desired image or design file. Supported formats include JPG, SVG, PNG, DWG, and BMP.
5. **Adjust Parameters:** Set engraving parameters such as laser power, speed, and passes based on the material type and desired effect. Start with lower power settings for new materials and gradually increase if needed.
6. **Preview and Position:** Use the software's preview function to ensure the design is correctly positioned on your material. Adjust the material or design as necessary.
7. **Start Engraving:** Once satisfied with the settings and positioning, initiate the engraving process from the software/app.
8. **Monitor Progress:** Supervise the engraving process. Do not leave the machine unattended.
9. **Completion:** Once engraving is complete, the machine will stop. Carefully remove the engraved material.

Material Compatibility and Examples:

The FONLAND DAJA DJ7 is versatile and can engrave on a variety of non-metallic materials.



Image: Examples of materials successfully engraved or cut by the machine, such as paper, wood, leather, and ceramics.



Image: More examples of creative applications and materials that can be engraved, including personalized gifts and decorative items.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your engraver.

- **Cleaning the Laser Lens:** Periodically clean the laser lens with a soft, lint-free cloth and lens cleaning solution (if specified by the manufacturer) to ensure clear laser output.
- **Dust Removal:** Use a soft brush or compressed air to remove dust and debris from the machine, especially around the laser module and moving parts.
- **Storage:** When not in use, store the engraver in a clean, dry environment, away from direct sunlight and extreme temperatures.
- **Firmware Updates:** Check the manufacturer's website periodically for firmware updates to improve performance and add new features.

7. Troubleshooting

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Machine not connecting to computer/app.	USB cable issue, driver not installed, software not recognizing device.	Try a different USB port or cable. Ensure software drivers are correctly installed. Restart both the engraver and the computer/app.
Laser not firing or weak engraving.	Laser lens dirty, incorrect power settings, material too far from laser.	Clean the laser lens. Increase laser power settings in the software. Ensure material is within the optimal focal distance.

Problem	Possible Cause	Solution
Engraving is distorted or incomplete.	Material moved during engraving, unstable surface, incorrect speed settings.	Secure the material firmly. Place the engraver on a stable surface. Adjust engraving speed settings.
Machine makes unusual noises.	Obstruction in moving parts, loose components.	Power off the machine and inspect for any obstructions. Ensure all components are securely fastened.

8. Specifications

Technical specifications for the FONLAND DAJA DJ7 Laser Engraver (Model D4).

Feature	Detail
Model Number	D4
Laser Power	7W/15W (depending on variant)
Input Voltage	110V/220V
Equipment Weight	1.4 KG
Engraving Accuracy	≤0.01mm
Engraving Area	150mm x 150mm (5.9 x 5.9 inches)
Whole Machine Power	≤30W
Operating System Support	Windows, macOS, Android, iOS
Product Dimensions	292mm x 92mm x 65mm
Supported File Formats	JPG, SVG, PNG, DWG, BMP

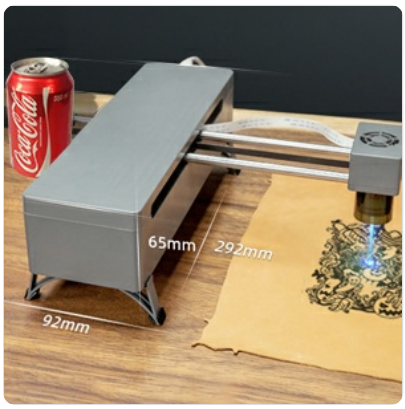


Image: The compact dimensions of the engraver, highlighting its portability.

9. Warranty and Support

Information regarding product warranty and customer support.
Specific warranty details are typically provided with your purchase documentation or on the manufacturer's official

website. Please refer to those resources for the most accurate and up-to-date warranty information.
For technical support, troubleshooting assistance beyond this manual, or inquiries about replacement parts, please contact FONLAND customer service through their official channels. Contact information can usually be found on the product packaging or the manufacturer's website.
Note: The provided product information does not include specific warranty terms or direct support contact details. Please consult the manufacturer's official resources.

© 2024 FONLAND. All rights reserved.

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

Open the live page

https://manuals.plus/asin/B0BFK78C4T

More documents and user manuals: **https://manuals.plus/**