

Raymoto A1

User Manual



Safety Statement



Before using the laser engraver, read this safety manual carefully to understand the operating procedures and potential hazards of the laser engraver.

- (1) Before using, please refer to the operation manual to assemble and fix the laser module to avoid dropping it due to unstable placement.
- (2) The use of third party adapters is prohibited. The voltage, current and DC terminals of third party adapters have not been rigorously tested and there is a risk of damage to the motherboard and electric shock.
- (3) The main unit of this device is classified as a Class 4 laser, and the laser beam has high energy density. It is strictly prohibited to aim the laser output at people or living animals.
- (4) Appropriate safety precautions must be taken during operation, including installing the A1 protective cover or wearing certified laser safety goggles before use.
- (5) This laser engraver is not a toy and is strictly prohibited for use by children. Access by untrained personnel and minors is strictly prohibited.
- (6) It is strictly prohibited to place your hands in the work area while the machine is operating. In case of any abnormal condition during engraving, immediately cut off the power to stop the machine.
- (7) Before engraving, please remove extraneous items and flammable and explosive items to avoid unnecessary damage to the laser and to prevent the occurrence of fire.
- (8) Toxic fumes: Check whether the material releases toxic gases when burned. Avoid poisoning.
- (9) Reflective materials: For total or diffuse reflective objects (e.g., mirror, polished metal):
 - Use protective cover.
 - Operator must wear long sleeves, long trousers, and safety glasses.
 - Only the operator may stay near the machine; others keep away.
- (10) Please do not move the laser engraving machine during the engraving process.
- (11) Please ensure that a fire extinguisher is placed near the laser engraver and that regular maintenance and inspection are carried out in order to respond to possible accidents in a timely manner.

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- Search for 【Raymoto】 in APP markets, such as Google Play Store and Apple App Store to download.
- Visit our website Raymoto.com to download the APP. <https://raymoto.com/pages/software-download>



Android



iPhone

User Guide

- Scan the QR code to access the user manual and tutorials.



A1 SUPPORT CENTER

Product Specification

- A1 Enclosed



		Model	A1
		Laser Power	7W (Blue)
		Laser Wavelength	450±20nm
		Engraving Area	75 x 75mm
		Max Engraving Workpiece Size	170 x 170 x 100 mm
		Power Adapter	AC (100–240V)
Engraving Speed	Max: 500mm/s	Input	DC 16V 3.5A
Engraving Accuracy	0.01mm	Working Environment	0°C ~ 40°C
Working Distance	108mm	Working Humidity	5% ~ 90%
Tilt Protection	Support	Engraving Machine Size	20 x 20 x 35 cm
Child lock Protection	Support	Wireless Connectivity	Bluetooth® 5 (LE)
Status Indicator	Support	Support File Formats	BMP, PNG, JPG, DXF, PLT
Flame Alarm	Support	Software Support	Raymoto APP
Safety Door	Support	System Requirements	Mobile: Android 10.0+ / iOS 16.0+
Certification Certificate	CE、RoHS、FCC、FDA、MIC、IEC 60825-1 (Class 1)		



FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

The antennas used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located for operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Thank you for choosing Raymoto products!

You have successfully completed reviewing the user guide. To help you have a better experience, please pay attention to the following tips:

- Keep this manual for future reference.
- Visit the official website regularly for the latest information updates.

<https://raymoto.com/pages/support>

- Always observe safety labels and warnings.
- Follow us! Decorate your life!



- For further assistance, please feel free to contact us.

 Email: support@raymoto.com

 Official Website: www.raymoto.com

Raymoto

Raymoto A1

Shenzhen Raymoto Intelligent Technology Co., Ltd.



RoHS



Raymoto_A1_Rev.1.0.May.2026