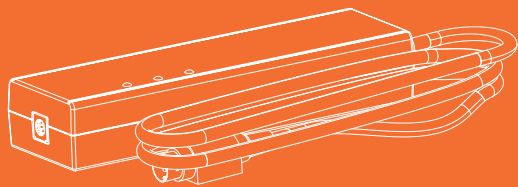


QUICK START GUIDE

Extension for Larger Engraving Area



Always read the instructions before you start.

1. Product Overview

The Smart Hub is an I/O control expansion product designed to enable the integration management of accessories for Algolaser laser engraving machines.

The Smart Hub allows a variety of accessories such as Smart Air Assist, Laser Engraver Housing, Rotating Rollers, etc. to be connected simultaneously to provide users with a unified control and management experience.

With the Smart Hub, you can easily manage various laser engraving machine accessories and improve work efficiency.

2. Packing List

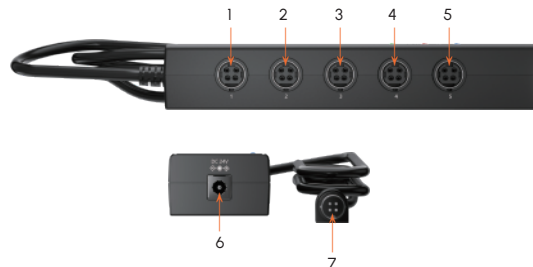
Packing List		
Smart HUB(Cable included)	1	
Instruction Manual	1	
Certificate	1	
After-sale Card	1	
EPE	1	
EPE Cover	1	

3. Overall Size /Appearance



1

4. Product Ports and Indicator Description



Serial No.	Ports	Introduction	Note
1	DIN-422 Port	Signal Output Connect to Accessories	Maximum Output 5A When Connected Individually
2	DIN-422 Port	Signal Output Connect to Accessories	Maximum Output 5A When Connected Individually
3	DIN-422 Port	Signal Output Connect to Accessories	Maximum Output 5A When Connected Individually
4	DIN-422 Port	Signal Output Connect to Accessories	Maximum Output 5A When Connected Individually
5	DIN-422 Port	Signal Output Connect to Accessories	Maximum Output 5A When Connected Individually
6	Power Input Port	DC24V/5A Power Input	Maximum Output 5A
7	4 Pin Cable Port	Signal Output Connect to Accessories	Maximum Output 2A

2

Indicator Light	Indicator Main Status	Indicator Sub-state	Meaning	Note
DC IN	Blue	Constantly Bright	DC Power Entry Indicator	DC Power Entry Indicator
I/O OUT	Red	Constantly Bright	DIN-422 Interface Output Indication	Output light
I/O IN	Green	Constantly Bright	Air Pump 4pin Cable Connector Input Indication	Cable Port Input Light

5. Operation and Status

Status	Operation	Phenomenon	Result
Working	Powering at the DC Port; Powering at the 4-Pin Cable Connector End of the Air Pump	Blue LED and Red LED Go Off and on at the Same Time. Green LED and Red LED Turn Off and on at the Same Time.	Is Working
Power- losing	Power Off	LED All Off	Is Powered Off

5.1 Connect Laser Engraver Machine

5.1.1 Smart Hub for Delta Use

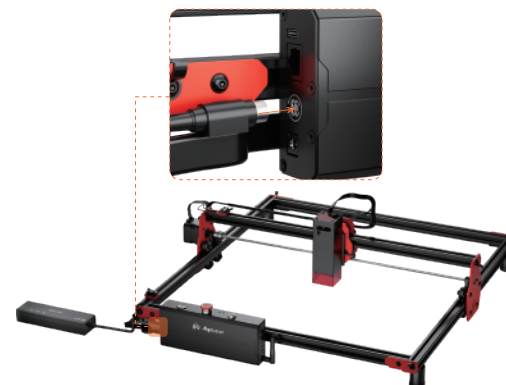


3

5.1.2 Smart Hub for Alpha Use



5.1.3 Smart Hub for DIY KIT Use



4

5.2 Connect to Air Assist



Connect the Power Supply

6. Specification

Type	Product Parameters	Specifications
Product Name	Model	Smart HUB
Basic Information	Product Type	Accessories for Engraving Machines
	Product Size(mm)	148mm*41mm*26mm
	Length of Cable	0.8m
	Product Weight	0.1555kg
	Gross Weight	0.235kg
	Color	Black
	Material	ABS
	Output Ports	5
Input Ports	1	
Power Port	1	

5

System Parameters	Motherboard Model	ALGOLASER_Smart HUB_V1.5
	Indicator Light	IO/IN Green,IO/OUT Red,DC IN Blue
Electrical Specifications	Power Consumption	/
	Power Consumption	DC24V/5A
	Standby power consumption	/
Product Certification	Security Certification	CE, FCC, RoHS
Warranty	The entire machine	One year
Supported Systems/Models	AAP1.0 / Alpha / Delta / DIY Kit / ALECC1.0 / ALSEC1.0 / ALAP-50L1.0 / ARC1.0 / ARR1.0 / RR2 and etc...	
	Storage temperature	-20°C~ 65°C
Others	Operating temperature	-10°C~ 40°C

7. FAQ

1. When does the Smart HUB require a power adapter?

It requires one when using more than one external accessory. It is recommended that users connect the power adapter when using the Smart HUB.

2. How to select the appropriate power adapter?

Each additional accessory device requires an extra 1.5A of current supply. When using multiple devices simultaneously, it is suggested to use a 5A power adapter.

8. Important Notices

- Handle with Care:** Do not use force to strike or throw this product, as it may cause damage to internal electronic components.
- Avoid Moisture:** Do not use this product in damp environments. Immersion or flushing with liquids is strictly prohibited.
- Temperature Caution:** Avoid use in high-temperature environments exceeding 80°C, as it may lead to softening, melting, or deformation of the product casing.
- Liquid Exposure:** Do not immerse the product in liquid. Clean the product using a damp towel, cotton cloth, or a non-corrosive chemical cleaner.
- Keep Away from Children:** Place the product out of reach of children, and strictly prohibit unsupervised use by children.
- No Unauthorized Disassembly:** Do not disassemble or attempt to maintain the product. If any malfunctions or abnormalities are detected, consult professional repair personnel for assistance.
- Manage Load Levels:** Avoid prolonged high-load usage to prevent overheating, short circuits, fire, and other potential hazards with the splitter.
- Mind Power Connections:** Pay attention to the positions of the input and output terminals of the power supply to prevent reverse connections or the resolution of issues.
- Do Not Exceed Maximum Load:** Ensure that the product is not used beyond its maximum load capacity.

6

FCC Compliance Statements

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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.

ISED Compliance Statements

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

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

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet équipement est conforme aux limites d'exposition aux radiations IC CNR-102 établies pour un environnement non contrôlé.

RF Exposure Compliance

This equipment complies with FCC/IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme aux limites d'exposition aux radiations IC CNR-102 établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20cm entre le radiateur et votre corps. Cet émetteur ne doit pas être colocalisé ou fonctionner en conjonction avec une autre antenne ou un autre émetteur.

7

ENGRAVING HAPPINESS

Thanks for choosing AlgoLaser!

We are so glad that it's you that gives it a home.

We have packed everything we have explored in laser engraving machines into the neatest form to help you harvest engraving happiness, obtain the greatest yield and realize your dream.

Justin Tan

The Founder of AlgoLaser



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Official AlgoLaser User Group

<https://algolaser.com/support/>

Aftersale Policy

• 12-Months Limited Warranty

We provide 12 months warranty for every product from the date of purchase against defects in materials and workmanship. And we will offer repair or replacement service according to the product condition. Please note that this warranty does not cover damaged product caused by misuse or abuse.

• Return or Exchange Policy

For detailed policy, please refer to the return and exchange policy on the platform you purchased from.

• Misdelivery & Missing Parts

If you receive an incorrect product or discover missing parts after receiving the product, please contact our customer service. AlgoLaser will cover the shipping cost of the incorrect product or send the replacement parts.

• Troubleshooting Support

AlgoLaser offers online troubleshooting guides that helps you to solve problems step-by-step. Please reach algolaser.com to get tutorial videos, FAQs, and tech support from professional engineers.

Aftersale Support

- Please go to <http://algolaser.com/support/> to submit your inquiry. To help engineer make faster judgment and provide effective solutions, please provide related pictures and videos within the inquiry.

- Information needed:

Machine Model Laser Module Purchase Channel

Delivery Date Computer System Software

Problem Description, Video & Photo

- After submitting, our engineer will reply you within 24 hours.

8

Please read this manual before use and keep it properly for future reference.