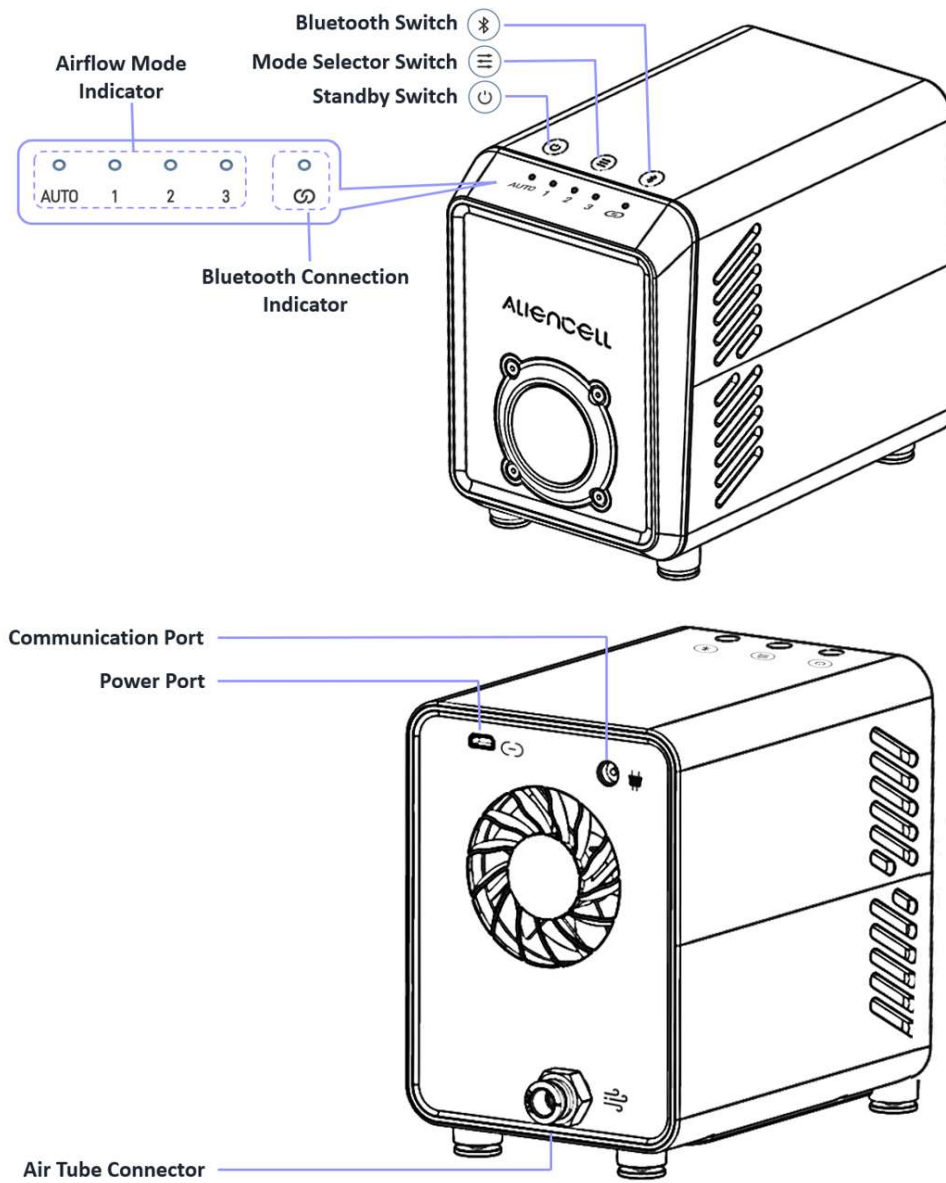


Air Pump

The air pump is an important accessory for the Aliencell X1 Laser Engraver. It provides a stable airflow to remove smoke and debris generated during engraving or cutting, keeping the work area clean, preventing material from burning, and protecting the Laser Module. The air pump can adjust the airflow automatically or manually according to processing requirements, ensuring smooth engraving and cutting operations.



1. Air Pump User Guide



1.1 Air Pump Interface Description

- ▶ **Communication Interface**: Mini-B port, connecting the engraving machine to enable communication and control of the air pump.
- ▶ **Power Interface**: Provides a stable power supply to ensure reliable operation during the engraving process.
- ▶ **Air Tube Interface**: Connects to the air tube for airflow output to exhaust smoke and blow away debris.

1.2 Mode Switching Instructions

Gently press the Mode Switch button to cycle through the airflow modes of the air pump. The sequence is: AUTO → 1 → 2 → 3 → AUTO.

Mode	Indicator Light Status	Indicator Light Status
AUTO	 AUTO	The air pump adjusts airflow based on the operation file instructions
Level 1	 1	Minimum airflow, suitable for engraving thin materials
Level 2	 2	Medium airflow, suitable for general cutting or engraving
Level 3	 3	Maximum airflow, suitable for thick materials or high-speed cutting

1.3 Bluetooth Instructions

Bluetooth Switch

	
Description Image Tap to turn on Bluetooth	Tap and hold 1s to turn off Bluetooth the indicator light goes off.

Bluetooth Connection Indicator Description

Indicator Light Status	Description	Notes
	Blue light flashing	Bluetooth is waiting for connection

Indicator Light Status	Description	Notes
	Solid blue light	Bluetooth is connected
	Red light flashing	Error or issue
	No light	Bluetooth is turned off

Bluetooth Pairing

Pairing with Aliencell X1:

- ▶ Tap the Bluetooth switch to initiate pairing. The Bluetooth indicator will flash blue to indicate the pairing mode.
- ▶ Use the touchscreen to connect to the air pump's Bluetooth, and when the connection is successful, the blue indicator will remain solid.
- ▶ To re-pair, press and hold the Bluetooth switch for 5 seconds to enter Bluetooth pairing mode.

2. Air Pump Specifications

Parameter	Value
Airflow	40 L/min (max)
Air Pressure	14.5 psi
Power	AC Adapter
Input Voltage	24V
Input Current	4A
Operating Noise	55 dB
Dimensions	167 mm × 105 mm × 147.7 mm

Parameter	Value
Weight	1.30 kg

3. Air Pump & Accessories



When you purchase the air pump, you will receive the pump along with the following accessories.

No.	Image	Name
1		Air Pump
2		Mini-B to Mini-B USB Cable
3		AC Adapter with Power Cord
4		Tube

4. IC Caution

English:

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

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

To maintain compliance with RSS-102 RF Exposure guidelines, this equipment should be installed and operated with a minimum 20 cm distance between the radiator and your body. Use only the supplied antenna.

French:

Cet appareil est conforme aux normes RSS exemptées de licence d'innovation, sciences et développement économique Canada.

L'exploitation est autorisée aux deux conditions suivantes:

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

Pour être conforme aux lignes directrices d'exposition RF RSS-102, cet équipement doit être installé et exploité à une distance minimale de 20 cm entre le radiateur et votre corps. N'utilisez que l'antenne fournie.

5. FCC Warning

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.

Any 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.

To maintain compliance with FCC's RF Exposure guidelines, this equipment should be installed and operated with a minimum 20 cm distance between the radiator and your body. Use only the supplied antenna.