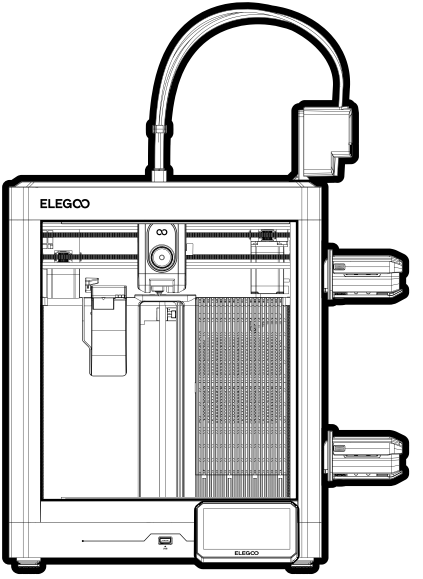
ELEGOO Create the Future

Centauri 2 Combo



User Manual

Check the included USB flash drive for a step-by-step installation video.

V3.0

Thank You for Choosing the ELEGOO Product!

Upon receiving your product, please check that the device is in good condition and all accessories are included. If you encounter any issues during installation, operation, or maintenance, please contact the ELEGOO after-sales team through the official channels below for professional support:

VISIT OUR OFFICIAL SUPPORT PAGE

Scan the QR code for one-on-one assistance

UNLOCK INFINITE FREE MODELS

Scan the QR code to explore Nexprint and download free models for easy, one-click printing

Important Notes

- Do not place the printer in a highly vibrating or unstable environment, as machine vibrations can affect print quality.
- Do not touch the nozzle or heated bed while the printer is in operation to avoid burns and personal injury from high temperatures.
- After printing, promptly utilize the residual heat in the nozzle to effectively clean the filament residue using a suitable tool. Avoid direct contact with the nozzle to prevent potential burns.
- We recommend using ELEGOO's slicing software to ensure the proper functioning of the machine and achieve optimal printing results.
- Perform regular maintenance on the printer by cleaning the machine body with a dry cloth to remove dust and any sticky filament residue. Ensure the printer is powered off before cleaning.
- Regularly inspect and clean the printer's cooling fans to prevent dust buildup, ensuring optimal performance and extended service life.
- Be cautious of the machine's high-speed moving parts to avoid any potential pinch hazards.
- The Z-axis of the machine utilizes lead screws for its moving parts. Apply lubricating oil as needed to ensure smooth movement.
- This equipment is used by skilled person. This equipment is not suitable for use in locations where children are likely to be present.
- In case of an emergency, directly turn off the power.
- Ensure the machine is properly grounded for safe operation. Failure to properly ground or neglecting to ground the machine can increase the risk of electrical leakage.
- If the machine is not in use for an extended period, please turn off the power and unplug the power cord.
- To ensure optimal performance, each ELEGOO product undergoes rigorous printing tests before shipping. Minor test marks on the printer, small amounts of residual filament on the nozzle, or slight nozzle discoloration are normal and will not affect functionality.

Contents

- Machine Specifications 01
- Printer Component Introduction 02
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Machine Specifications

Printing Specifications

Printing Technology: Fused Deposition Modeling (FDM)
Build Volume: 256 × 256 × 256 mm
Printing Accuracy: ± 0.1 mm
Nozzle Diameter: 0.4 mm
Printing Speed: ≤ 500 mm/s
Ambient Temperature: 5-40 °C

Electrical Requirements

Input Voltage: 100-240 VAC, 50/60 Hz
Rated Power: 1100 W@220 V / 350 W@110 V

Temperature Specifications

Max Nozzle Temperature: 350 °C
Max Heated Bed Temperature: 110 °C

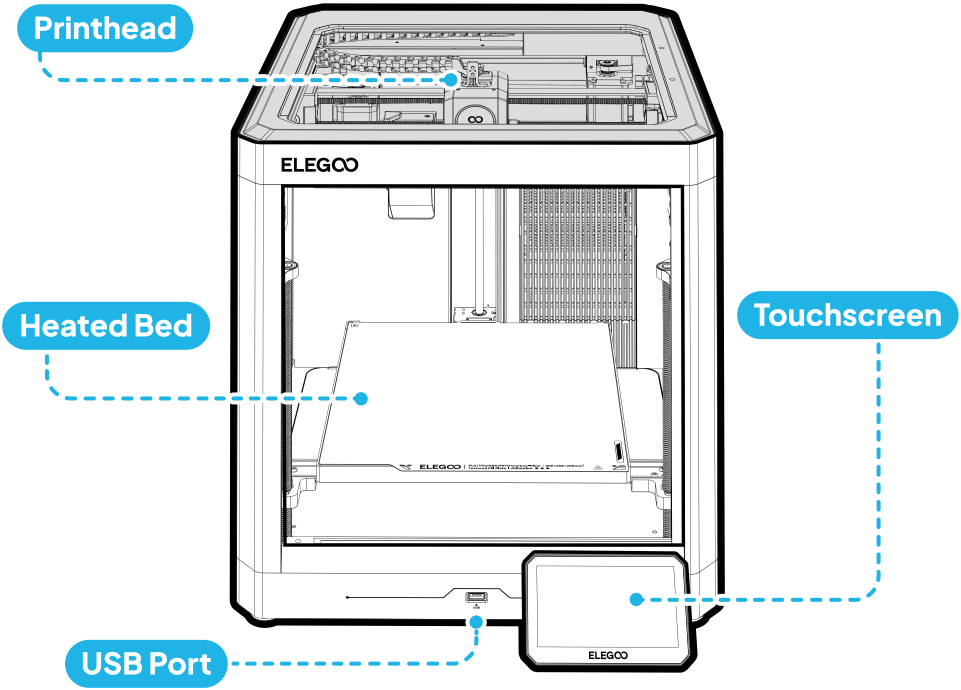
Software Specifications

Slicer Software: ElegooSlicer (Recommended)
Input File Format: STL, OBJ, 3MF, STEP
Output File Format: G-code
Connectivity: USB Flash Drive, Wi-Fi

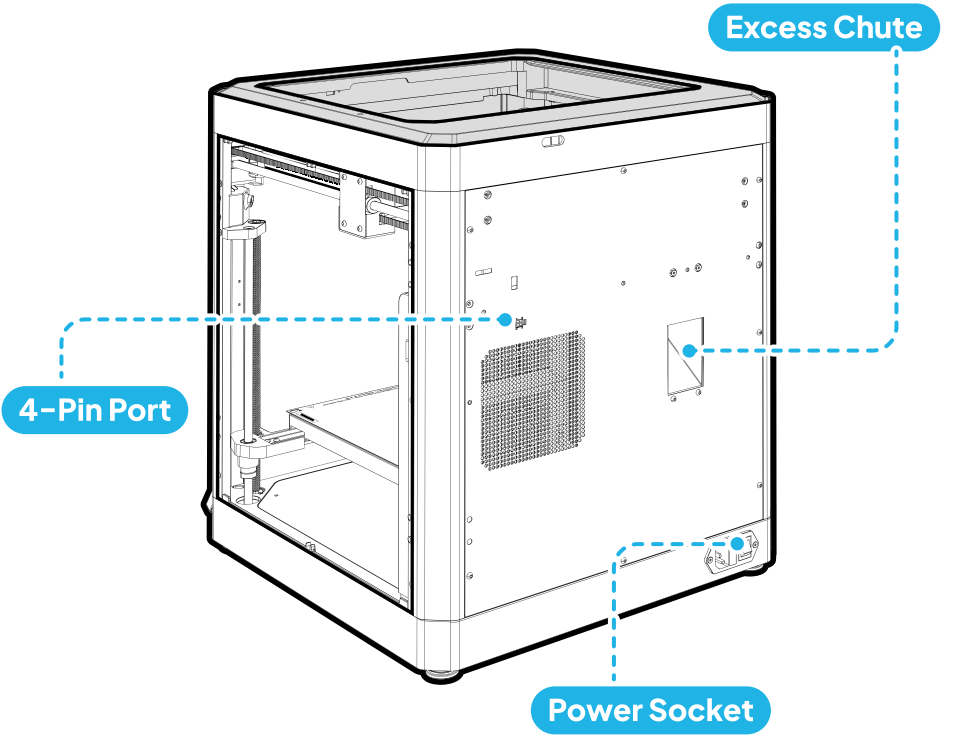
Physical Specifications

Machine Size: 500 × 480 × 590 mm
Net Weight: 15 kg

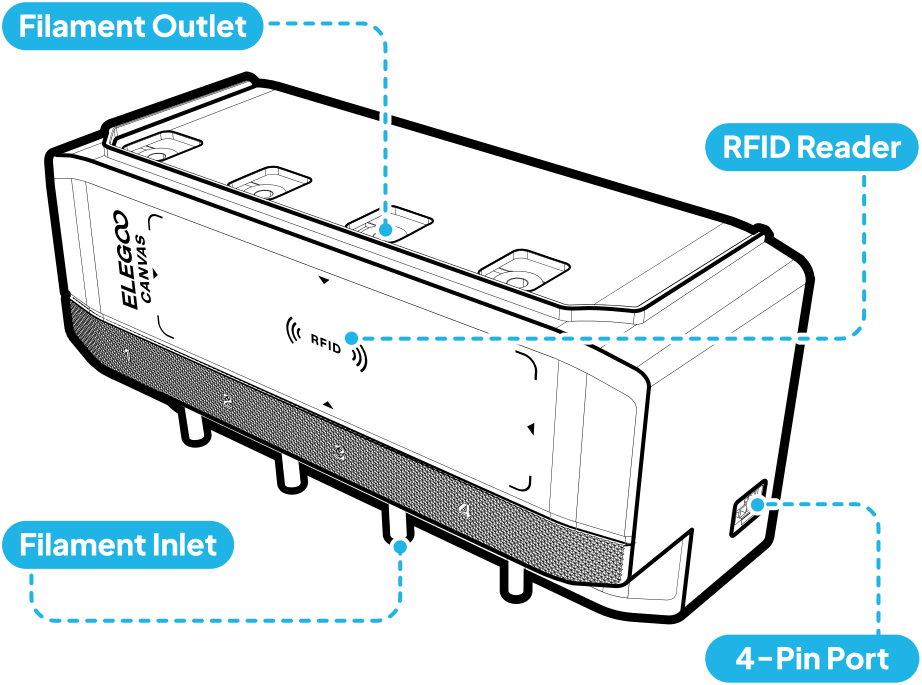
Printer Component Introduction



Printer Component Introduction



CANVAS Component Introduction



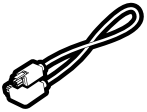
Included Accessories



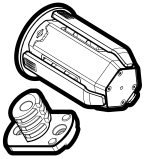
Touchscreen



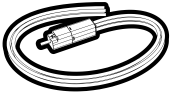
Power
Cord



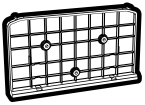
4-Pin Cable



Spool Holder Module ×4
(2 Left, 2 Right)



Filament Hub

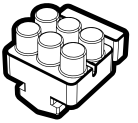


CANVAS Mounting
Bracket



User
Manual

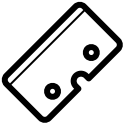
Tool Kit



Spare Nozzle Wiper



USB Flash Drive



Scraper Blade



Unclogging Pin



(1.5/2.0/2.5/3.0 mm) Allen Key



Screwdriver



Filament Sample

Screws for Different Accessories



PM3×6 (×2)
Filament Hub



PA3×10 (×2)
Scraper Blade



PM3×8 (×3)
CANVAS Feeding Module



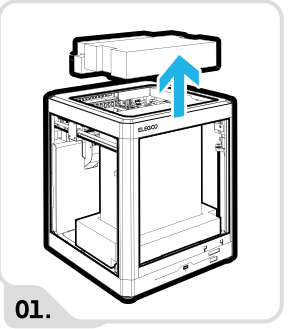
PM3×12 (×8)
Spool Holder



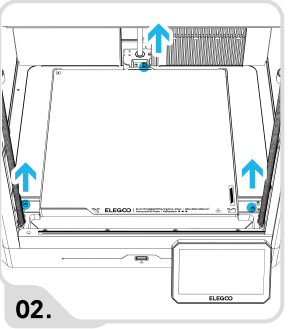
PM3×50 (×2)
CANVAS Mounting Bracket

Printer Installation

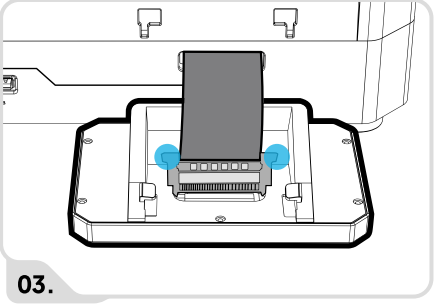
Scan the QR code to watch the tutorial



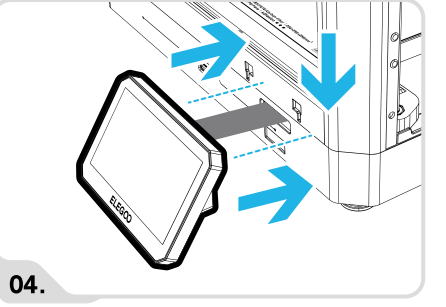
Take out the foam, touchscreen, and toolbox from the printer.



Use the 2.5 mm Allen key to remove the 3 screws marked in blue to unlock the heated bed.

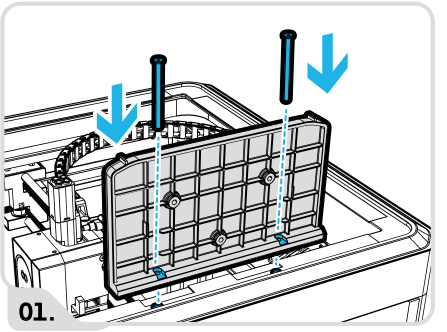


Insert the Flexible Printed Circuit (FPC) into the touchscreen port by pressing the terminal as pictured. Make sure the gold contacts face upwards for correct orientation.

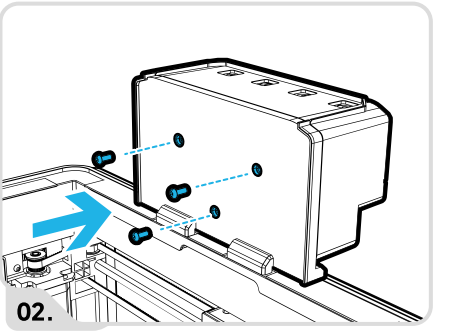


Insert the screen into the slot on the printer and press down to lock it in place.

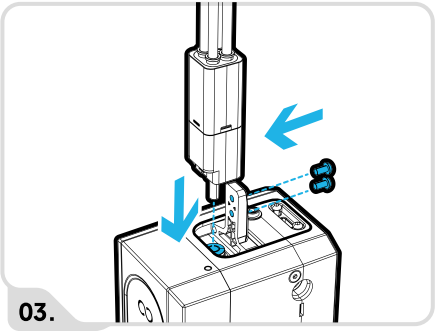
CANVAS Installation



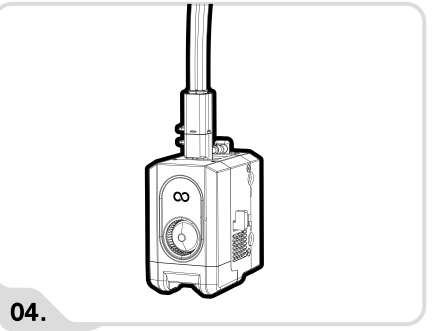
Attach the CANVAS mounting bracket to the machine using 2 PM3×50 screws. (Remove any silicone plugs from the top mounting holes before installation.)



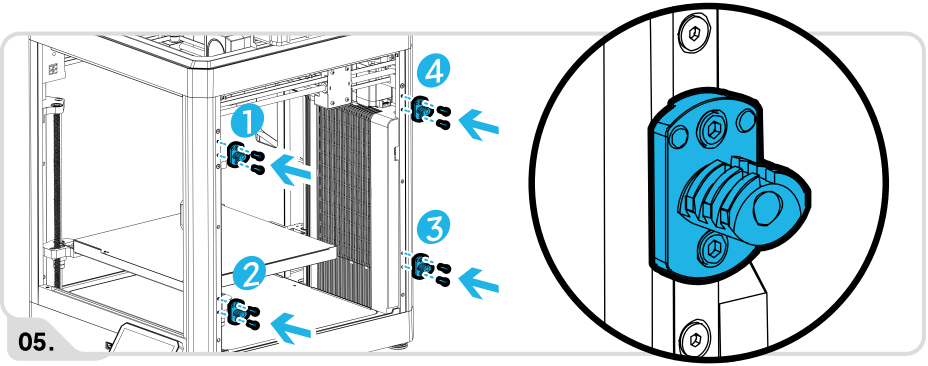
Mount the CANVAS feeding module onto the bracket using 3 PM3×8 screws.



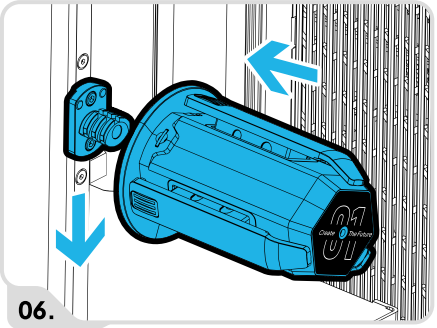
Install the filament hub onto its bracket. Insert the hub's metal tube downward into the printhead's pneumatic fitting, then secure with 2 PM3×6 screws.



The filament hub installation is now complete.

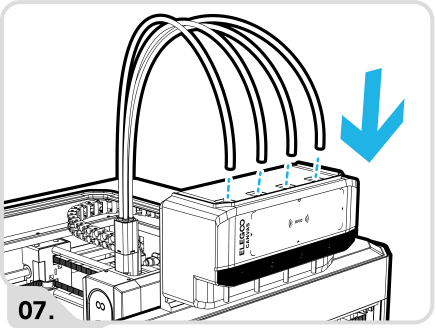


Install the spool holder mount onto the machine's aluminum profile using 8 PM3×12 screws. (Ensure the mount sits flush against the profile's stepped surface for a secure fit.)

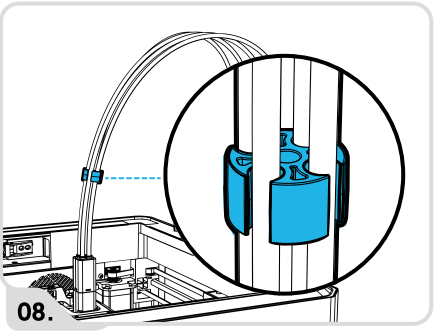


Push each spool holder down into the mounting bracket until it snaps into place. Repeat this for all four holders.

Note: Make sure each holder is installed in its designated numbered position to ensure the filament recycling function works properly.

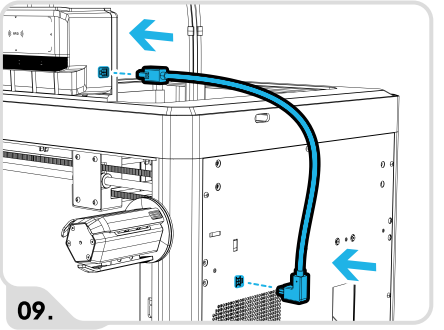


Insert one end of each PTFE tube into the four pneumatic fittings on the top of the CANVAS module, then insert the other end into the four pneumatic fittings on the top of the filament hub.



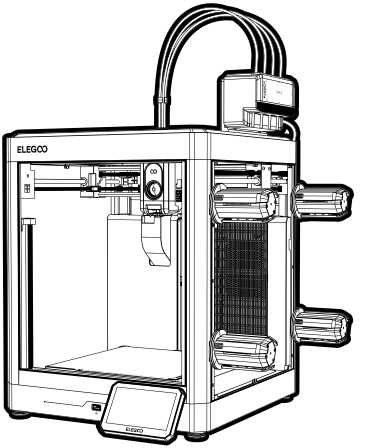
08.

Use the clips to bundle the four tubes neatly together.



09.

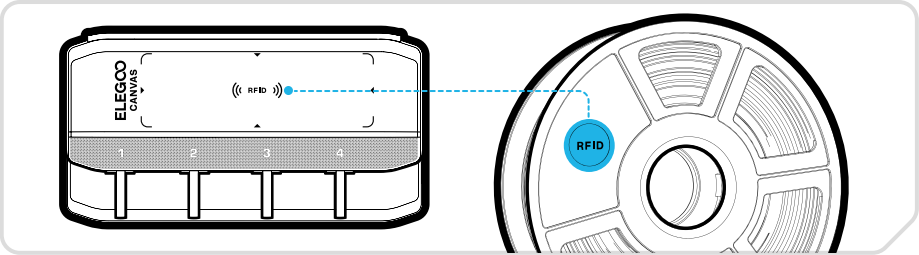
Connect the 4-pin cable: insert the angled connector into the CANVAS port on the back of the machine, and the straight connector into the 4-pin port on the right side of the CANVAS module.



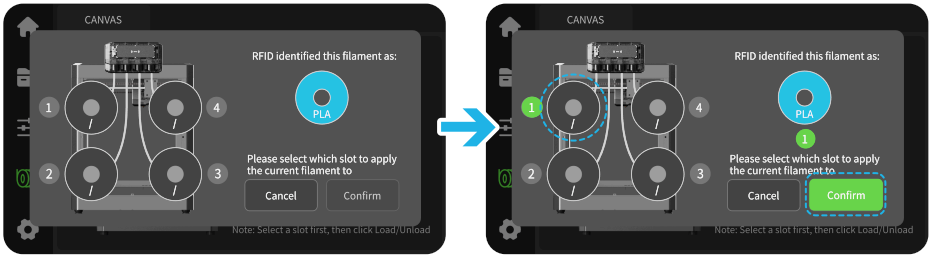
10.

The CANVAS installation is now complete.

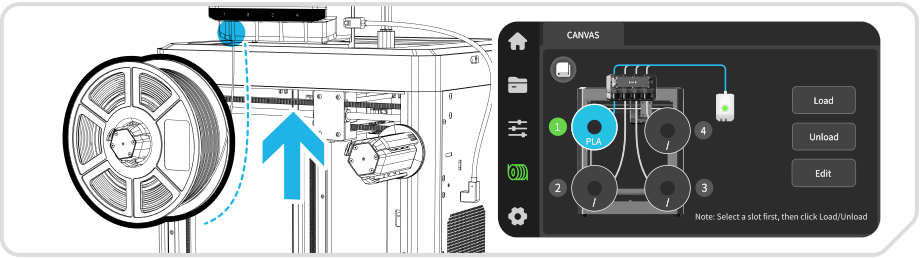
Filament Loading



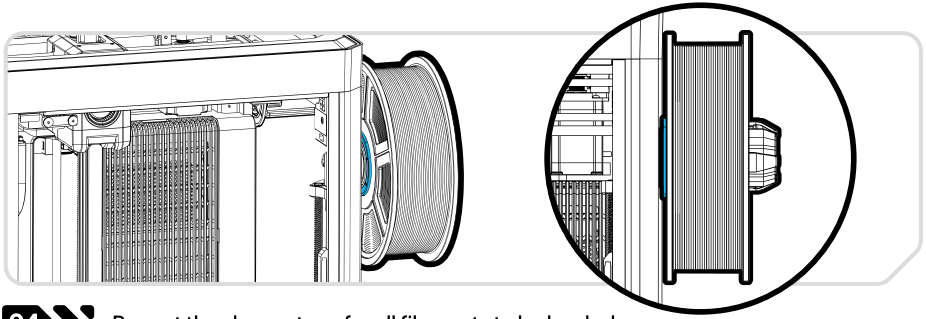
01. For RFID-enabled spools, hold the tag against the recognition area on the CANVAS until you hear a confirmation beep.



02. On the touchscreen, select the corresponding number for the spool holder where the filament will be installed, then tap "Confirm" to automatically write the filament information.

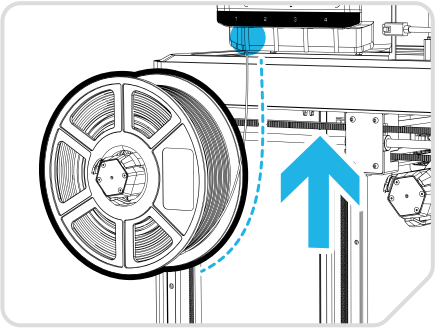


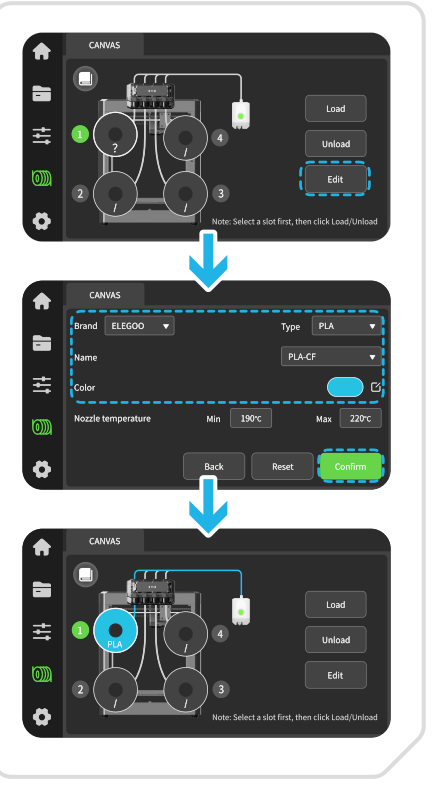
03. Mount the filament spool onto its numbered holder and insert the filament into the matching inlet on the CANVAS. When the filament detection switch senses the filament, the machine will automatically feed it to the ready position.



04. Repeat the above steps for all filaments to be loaded.

Note:
Push the spool fully into place and seat it against the stop on the holder to prevent it from falling off or becoming tangled.





01.

For spools without RFID tags, manually enter the filament information.

02.

Enter the material details (brand, type, color) for each spool on the screen.

03.

Complete the loading for all non-RFID spools.

Note:
Filament with RFID tags can also be registered manually if preferred.

Network Printing - ELEGOO Matrix

01.

Scan the QR code on the right to download and install ELEGOO Matrix. Register and log in to your ELEGOO account.

Scan to Download ELEGOO Matrix APP

02.

Tap “Account” in the device menu on the screen to view your printer’s binding information.

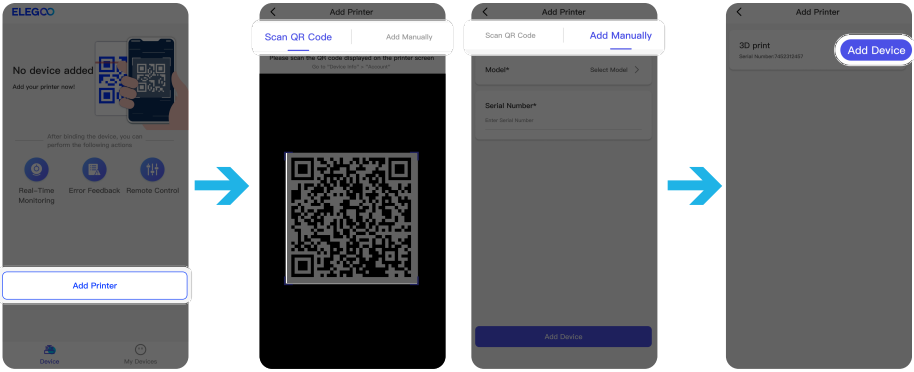


03.

Use ELEGOO Matrix App to scan the QR code on your printer, or enter the Pincode manually to bind the printer to your ELEGOO account.

04.

Follow the instructions on the screen to complete the initial calibration.



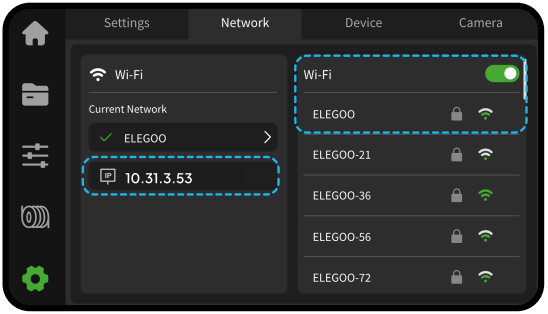
Network Printing - ElegooSlicer

Install the ElegooSlicer software from the included USB flash drive. Select the appropriate installation package for your computer system.

*Update the software if prompted after installation.
*Installation packages: .exe (Windows), x86_64.dmg (Intel Mac), arm64.dmg (M-series Mac).

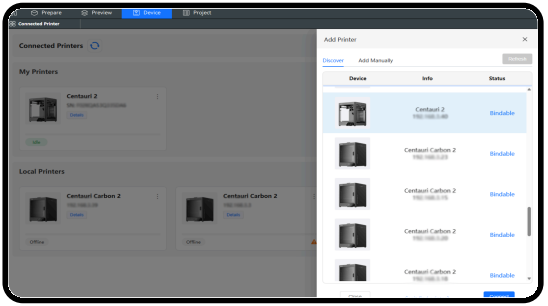
01.

Connect your printer to Wi-Fi through the network settings. The assigned IP address will display once successfully connected (as shown in the right figure).

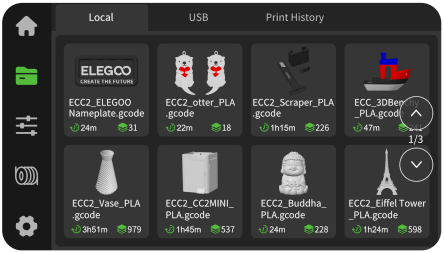


02.

Make sure your computer and printer are connected to the same network. In ElegooSlicer, open the Device page and click Add Printer in the upper-right corner. Select your printer from the list of discovered devices and click Connect. Then follow the prompts to finish setup.



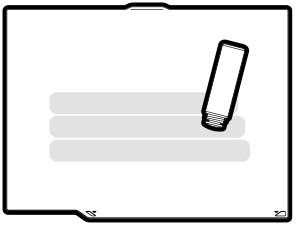
First Print

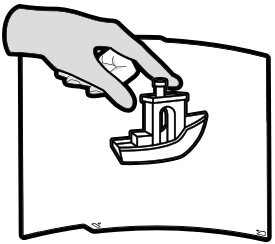


01.

Go to「」>「Local」and select a model to start a test print.

Tip: Long-press files on the USB flash drive to import them to local storage.





02.

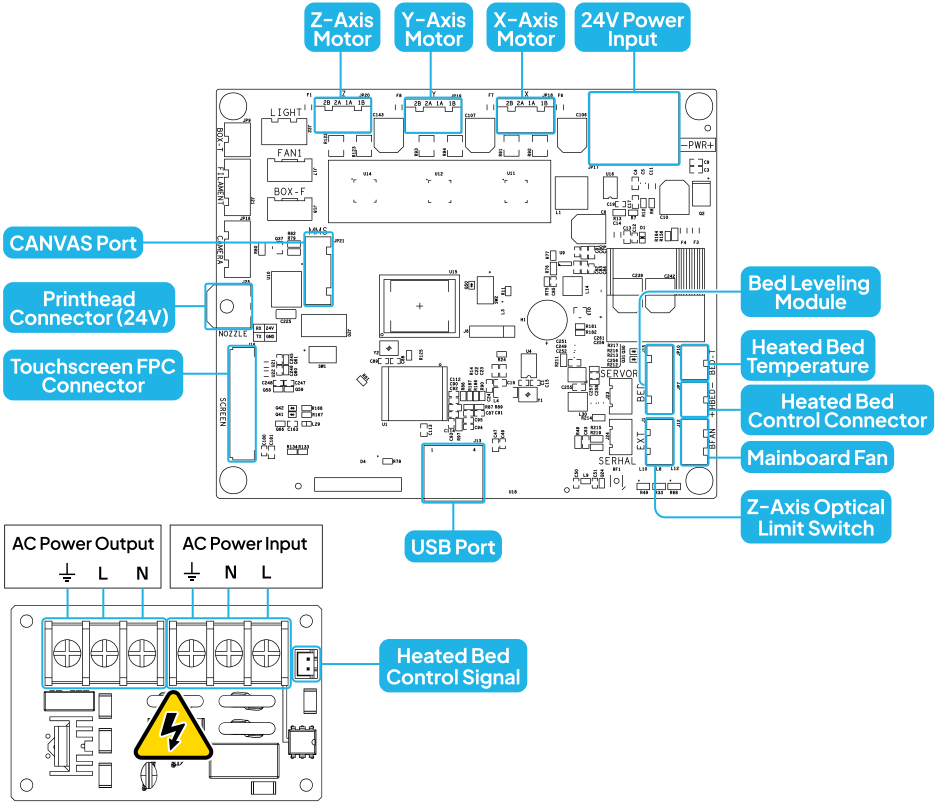
To maintain optimal adhesion, regularly clean the build plate with warm water and dish soap. For even better grip, you can also apply a bed adhesive.

03.

After the printed model cools, remove the flexible build plate and gently bend it to release the model.

Do not over-bend the plate to avoid permanent deformation.

Mainboard Connections



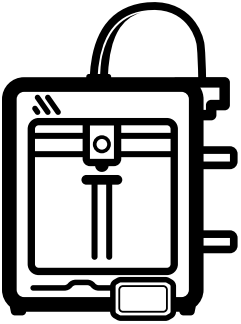
Warranty Statement

- ELEGOO printers are covered by a warranty starting from the date of receipt. Warranty periods may vary by component.

  For details, please visit our Refund Policy page:
  https://www.elegoo.com/pages/refund-policy

- The warranty does not cover damage caused by self-disassembly, improper use, or normal wear and tear of the machine housing.

ELEGOO



HAPPY PRINTING

Create The Future