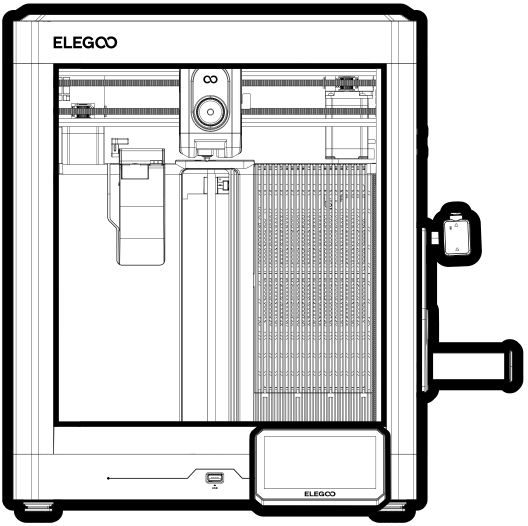
ELEGOO Create the Future

Centauri 2



User Manual

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

V2.0

Thank You for Choosing the ELEGOO Product!

ELEGOO

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

ELEGOO

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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

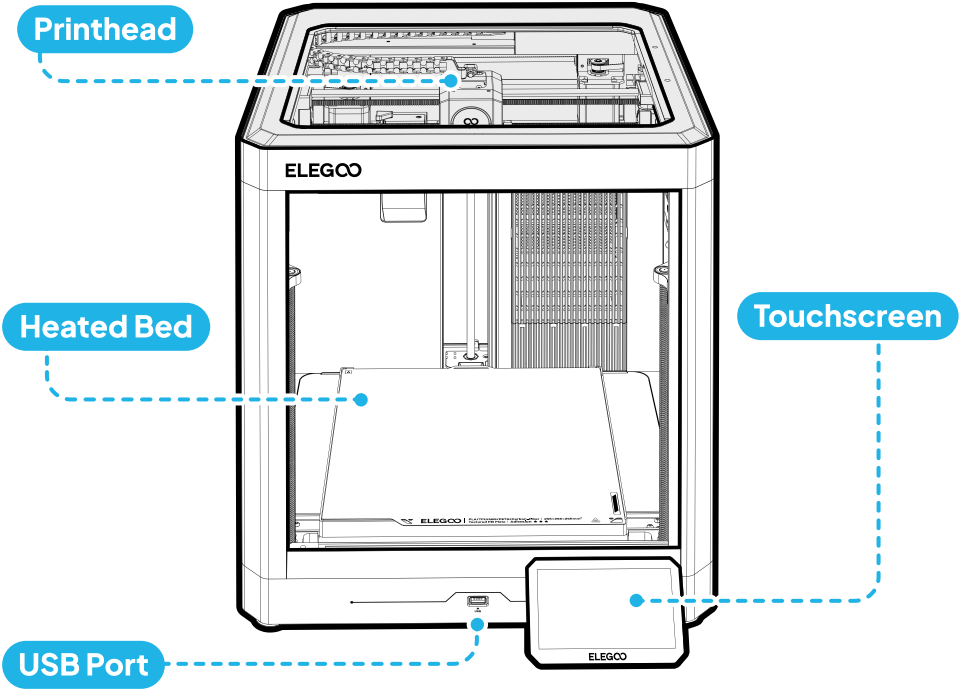
Software Specifications

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

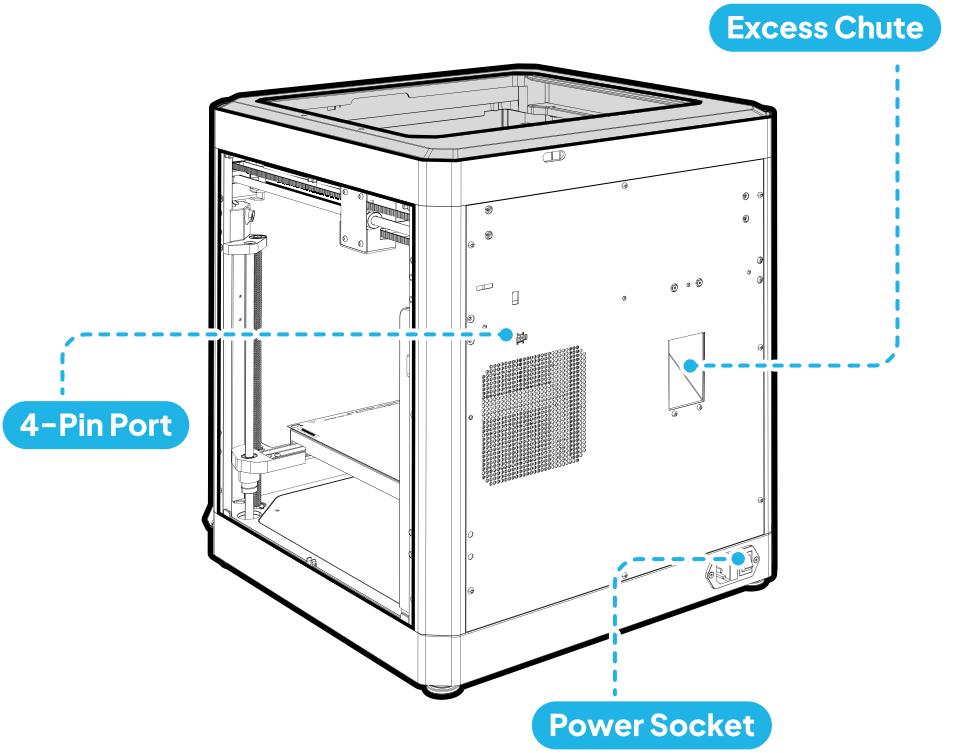
Physical Specifications

Machine Size: 398 × 404 × 490 mm
Net Weight: 13.7 kg

Printer Component Introduction



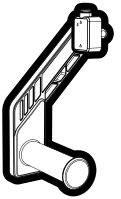
Printer Component Introduction



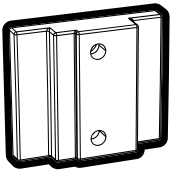
Included Accessories



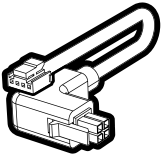
Touchscreen



Spool Holder Assembly



Spool Holder Mount



Filament Runout Sensor Cable



Power Cord

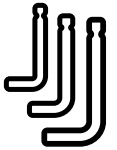


User Manual

Tool Kit



Unclogging Pin



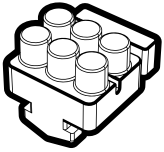
(1.5/2.0/2.5/3.0 mm)
Allen Key



Screwdriver



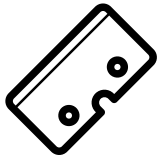
Filament Sample



Spare Nozzle Wiper



USB Flash Drive



Scraper Blade

Screws for Different Accessories



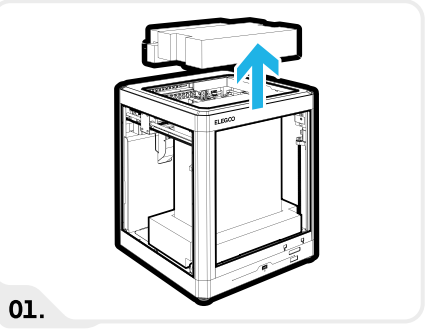
PA3×10 (×2)
Scraper blade



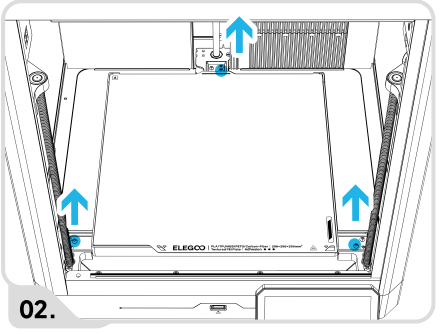
HM3×14 (×2)
Spool holder mount

Printer Installation

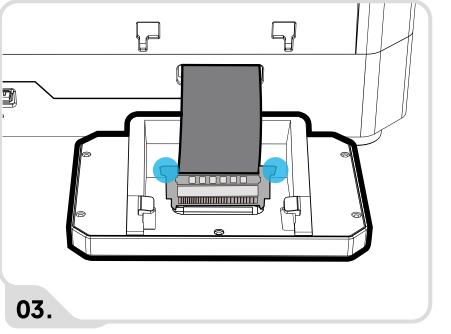
Scan the QR code
to watch the tutorial



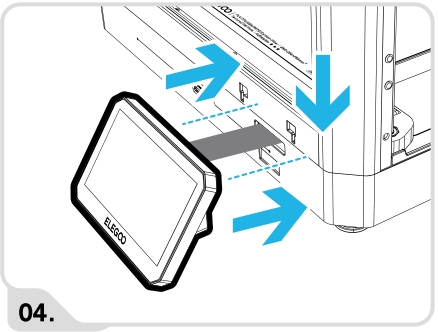
Take out the foam, touchscreen, and toolbox from the printer.



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

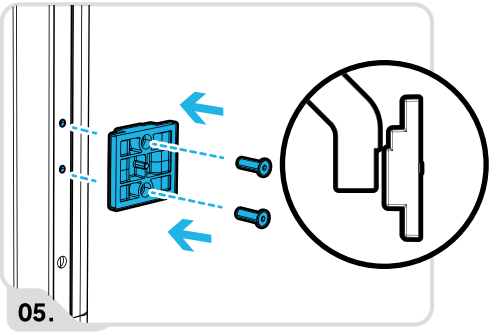


Insert the Flexible Printed Circuit (FPC) into the touchscreen port by pressing the terminal as pictured. Make sure the gold contacts face upwards for correct orientation.



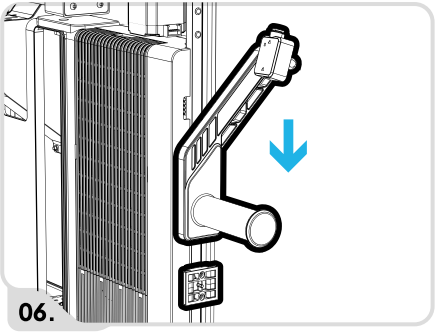
04.

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



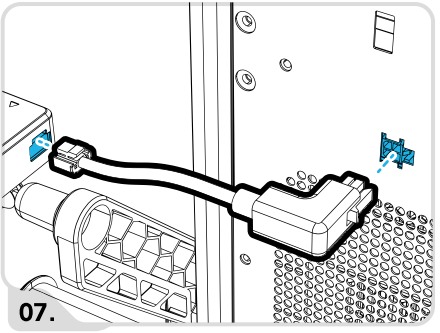
05.

Install the spool holder mount onto the machine's aluminum profile using two HM3×14 screws. (Ensure the mount sits flush against the profile's stepped surface for a secure fit.)



06.

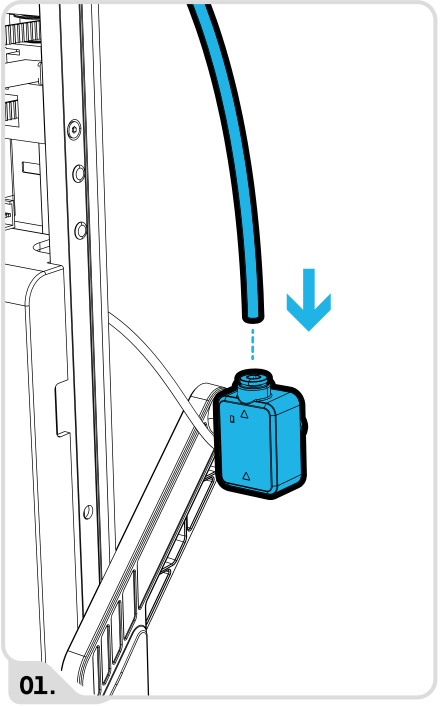
Align the slot on the spool holder with the mount and push down to lock it in place.



07.

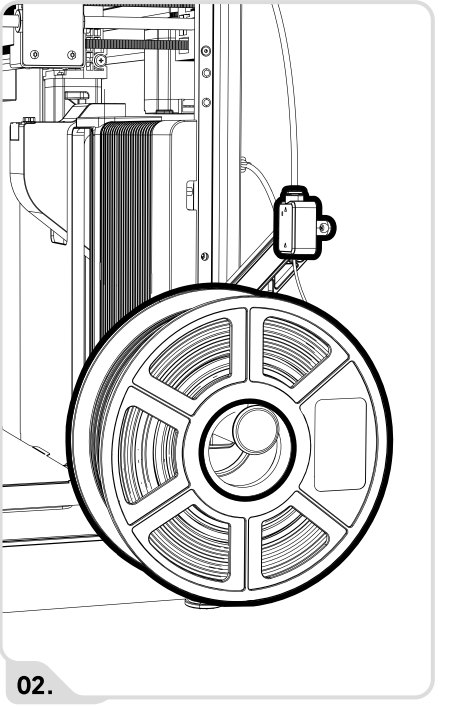
Connect the filament runout sensor cable: insert the angled connector into the rear port on the printer, and the straight connector into the sensor port.

Filament Loading



01.

Insert the PTFE tube into the pneumatic fitting on the filament runout sensor.



02.

Load the filament by inserting one end into the filament runout sensor and pushing it upward until it stops.

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.

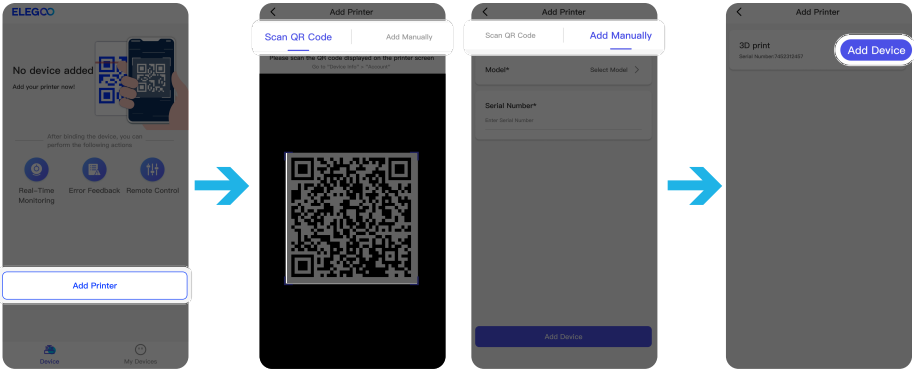


03.

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.



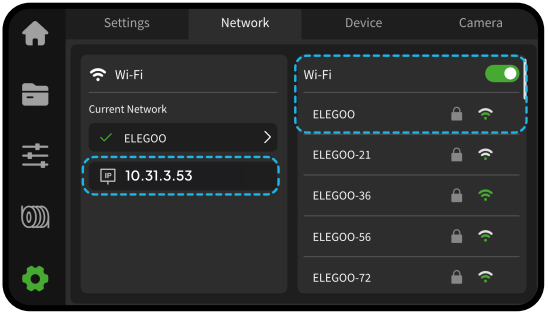
Network Printing - ElegooSlicer

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).

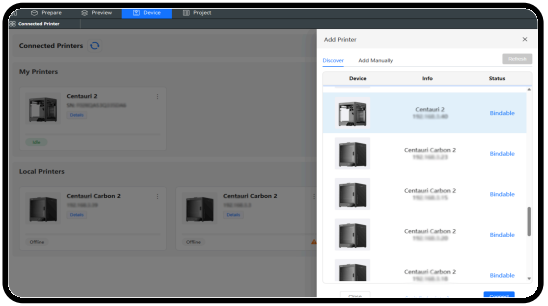
01.

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).

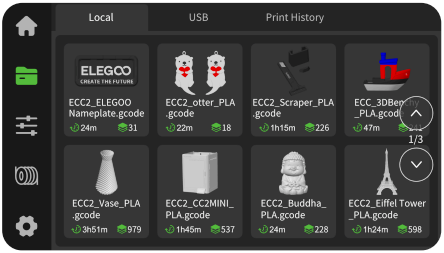


02.

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.



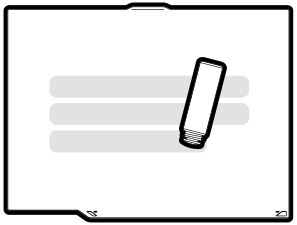
First Print

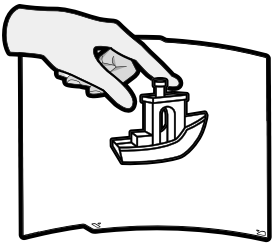


01.

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.

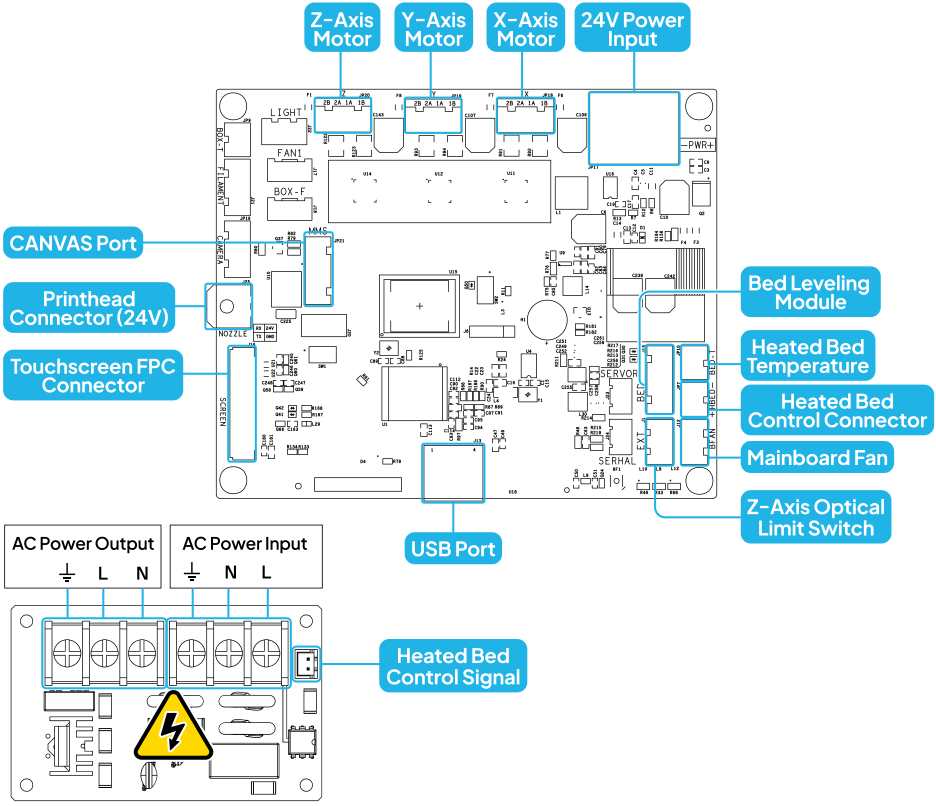
To maintain optimal adhesion, regularly clean the build plate with warm water and dish soap. For even better grip, you can also apply a bed adhesive.

03.

After the printed model has cooled, remove the flexible build plate with the model from the machine. Gently bend the plate to release the model.

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

Mainboard Connections



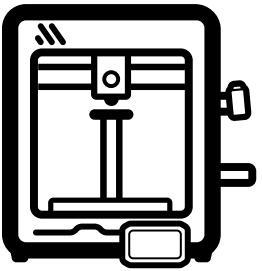
Warranty Statement

- 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