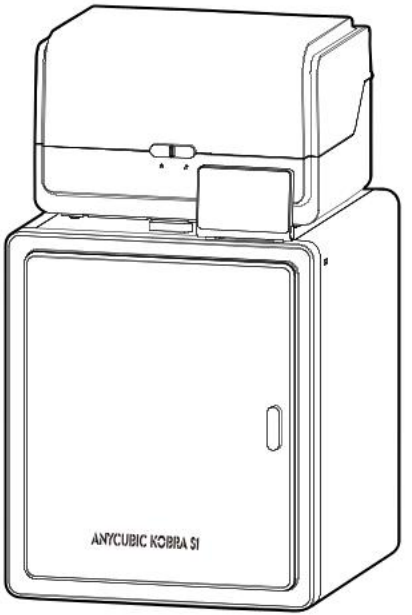
Anycubic Kobra S1 ACE 2 Pro Combo User Manual



Support Center
(with installation video
and User Manuals in Other Languages)

The pictures are for reference only,
please refer to the actual product.

Thank you for purchasing ANYCUBIC products!

Even if you are a long-time ANYCUBIC user or an expert in 3D printing, we highly recommend reviewing the precautions and setup tips in this manual. Every printer is unique, and following these steps ensures optimal performance and safety. For advanced troubleshooting or topics not covered here, please visit our official support portal at anycubic.com.

To enhance your printing experience and master your machine, explore our additional resources:
Anycubic Wiki: Scan the QR code to access our comprehensive knowledge base, including setup guides, deep-dive tutorials, and troubleshooting tips.

ANYCUBIC Slicer

ANYCUBIC Wiki

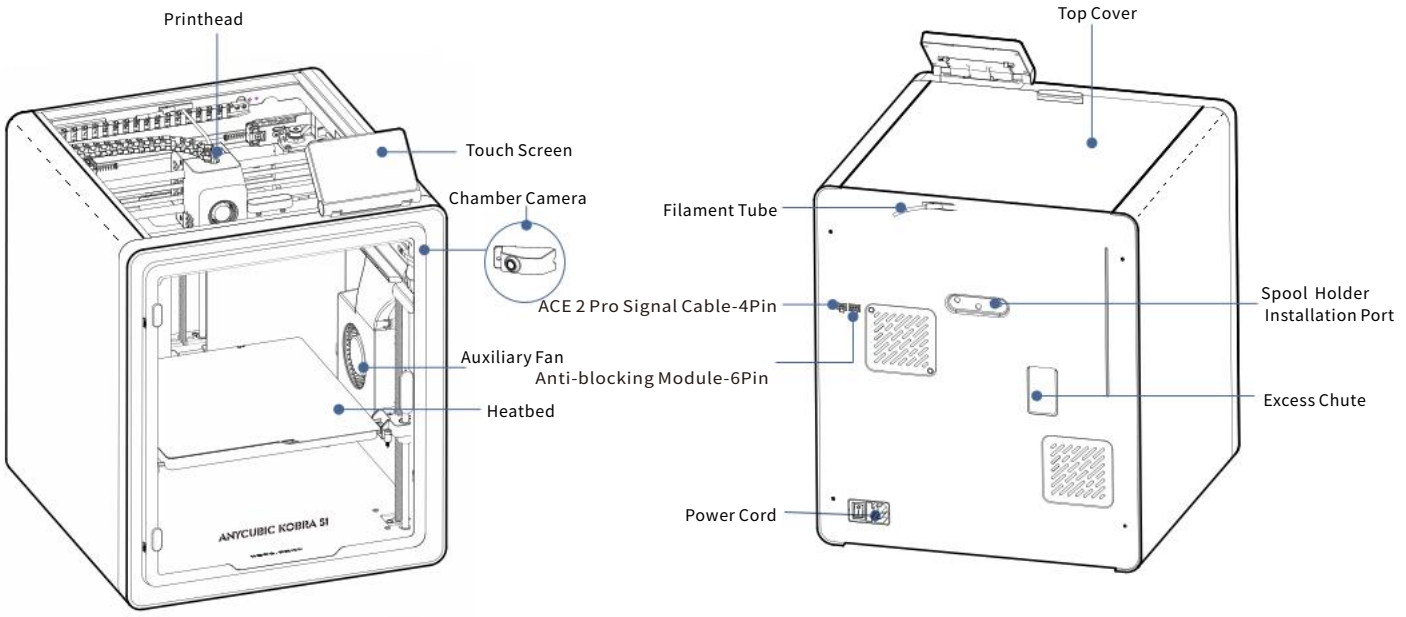
ANYCUBIC Official Website

ANYCUBIC App

ANYCUBIC Team

Content

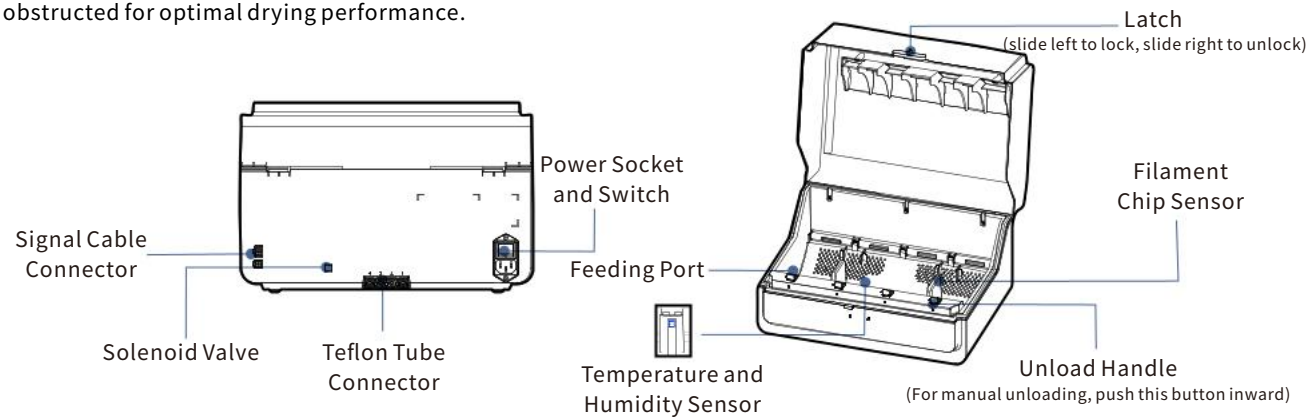
Product Overview



Product Overview

*For a better printing experience, please note the following when using the ACE 2 Pro:

1. Compatible Filament: The ACE 2 Pro only supports TPU for ACE and is not compatible with other TPU-like flexible filaments.
2. To prevent spool misalignment caused by non-standard spools, ensure the filament is placed against the filament chip sensor when loading.
3.The product supports standard 1 kg spools with the following dimensions:Outer diameter: 195–200 mm,Thickness:60–68 mm, Outer wall thickness: 3–6 mm.
4. Filament Remaining Estimation: The ACE 2 Pro estimates remaining filament by calculating the length of filament moved per chip rotation. In cases where the filament is not properly spooled, tangled, or using non-standard spools, the estimate may be inaccurate and is for reference only.
5. Use the "Remove Filament" function on the printer screen.Manual Ejection (if necessary): Gently push the handle to manually retract the filament. Do not forcibly pull it out, as this may damage the device.
6. Drying Process: During drying, the ACE 2 Pro opens the solenoid valve to expel moist air. Ensure the solenoid valve is not obstructed for optimal drying performance.



Packing List

Note: The following pictures are for reference only.
Please refer to the actual product received.


Kobra S1


ACE 2 Pro


Spool Holder


Signal Cable (1pcs)


Filament Tube (4pcs)


Power Cord (2pcs)


Anti-blocking Module


Screws M2.5*25 (2pcs)


Screws M3*6 (2pcs)


Cable Organizer (2pcs)


2.5/2.0/1.5


Filament Sample

Nozzle Cleaner

Grease


Activated Carbon (1pcs)


Nozzle Cleaning Module(1pcs)


Nozzle Silicone Part (1pcs)

Technical Specification

Printing

Technology: FDM (Fused Deposition Modeling)
Build Size: 250 mm (L) × 250 mm (W) × 250 mm (H)
Layer Thickness: 0.08 - 0.28 mm
Positioning Accuracy: X / Y / Z 0.0125 / 0.0125 / 0.0008 mm
Extruder Quantity: Single
Nozzle Diameter: 0.4 mm
Supported Materials: PLA/TPU/PETG/ABS/ASA

Software

Slicing Software: Anycubic Slicer Next/Orca Slicer
Software Input Formats: .STL/.OBJ/.3mf
Software Output Formats: GCode
Connectivity: U-DISK, AC Cloud, Anycubic Slicer Next

Electrical

Power Input: 100-120 V~ /200-240 V~
Rated Power: 500 W/1500 W

Wi-Fi

Frequency Band: 2.4GHz
Working Mode: STA

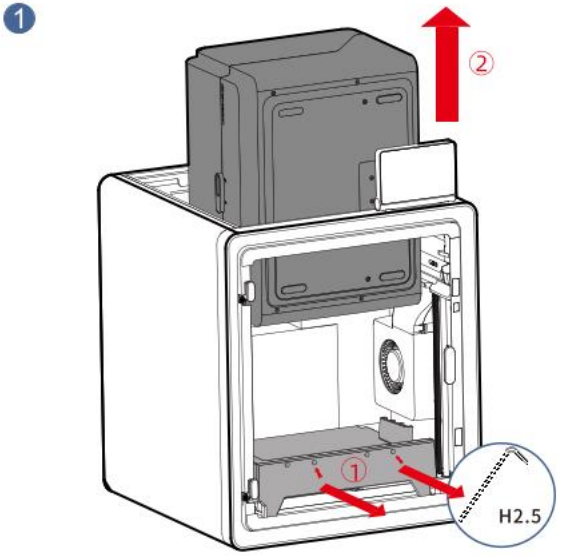
Physical Dimensions

Printer Dimensions: 400 mm (L) × 410 mm (W) × 490 mm (H)
Net Weight: 18 kg
ACE 2 Pro Dimensions: 368 mm (L) × 291.5 mm (W) × 236.5 mm (H)
ACE 2 Pro Net Weight: 3.7 kg
Dimensions of Printer and ACE 2 Pro Footprint:
420 mm (L) × 530 mm (W) × 710 mm (H)

Machine Installation

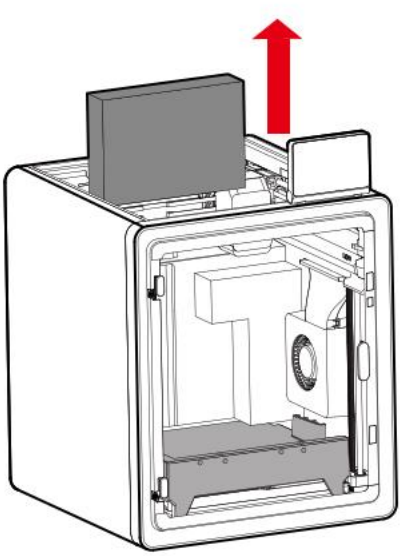
Scan the QR code on the right to watch a step -by-step installation video.

Unlock ACE 2 Pro



1.Open the printer cover, and use Allen Key H2.5 to remove the two screws marked in red as pictured.

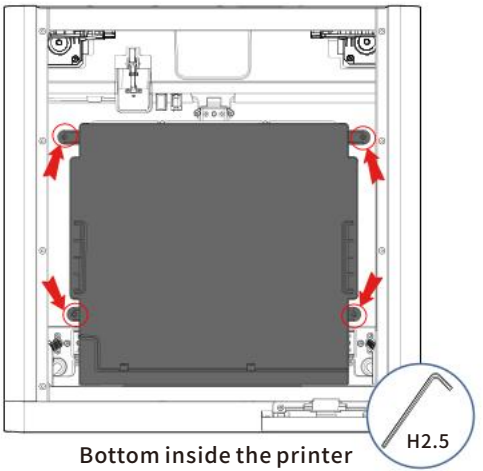
2. After completing the above operations, take out the ACE 2 Pro through the top.
*It is enough to loosen the screws to a certain extent, there is no need to completely remove the screws.



Take out the accessory box by sliding it out through the top.

Unlock ACE 2 Pro

3

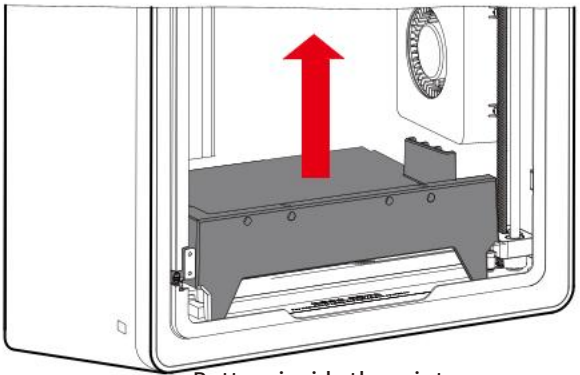


Bottom inside the printer

As shown by the arrows, use Allen Key H2.5 to remove the four screws marked in red circles.

*It is enough to loosen the screws to a certain extent, there is no need to completely remove the screws.

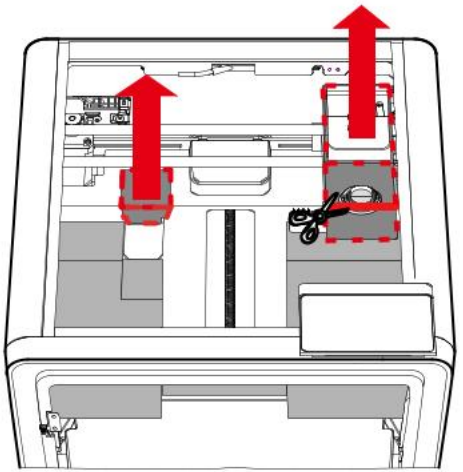
4



Bottom inside the printer

Take out the ACE 2 Pro cushioning.

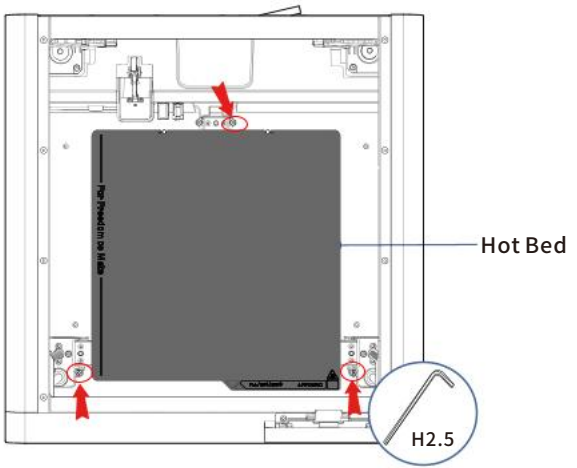
Unlock Printhead



Top of the printer

1.Cut the zip tie securing the printhead, remove the cardboard from the printhead.
2.Remove the foam.

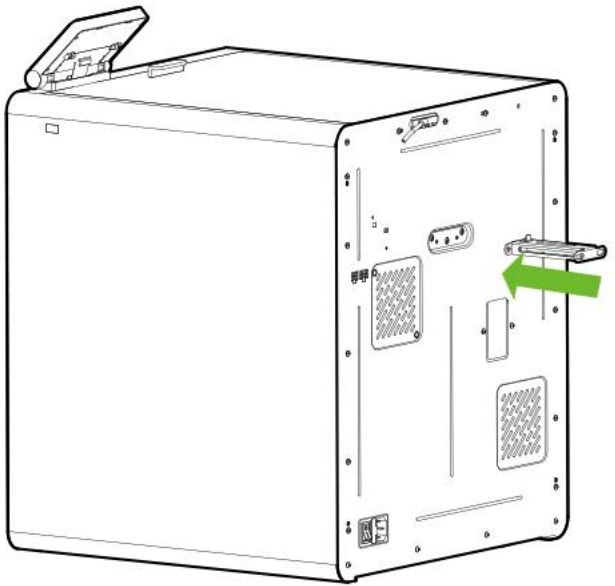
Unlock Heatbed

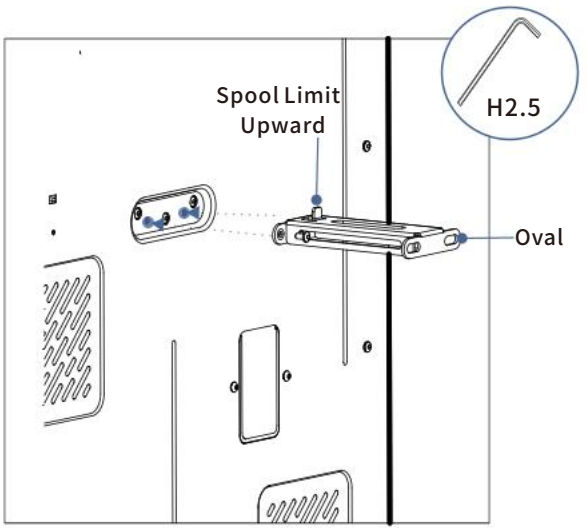


Bottom inside the printer

As shown by the arrows, use Allen Key H2.5 to remove the three screws marked in red circles.

Install Spool Holder (skip this step if printing in multiple colors)

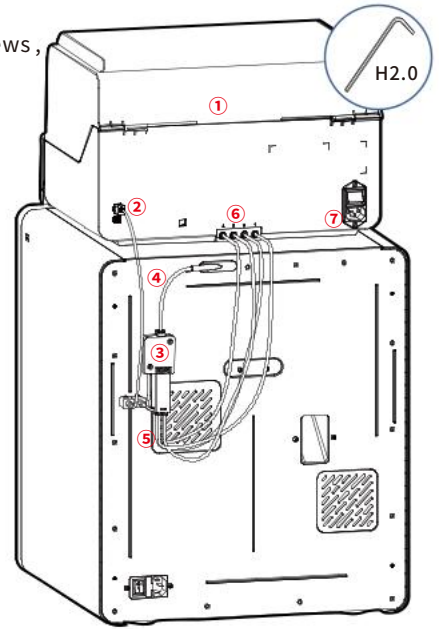


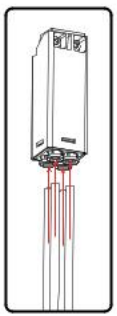


Secure the spool holder with M3*6 screws from the accessory box.

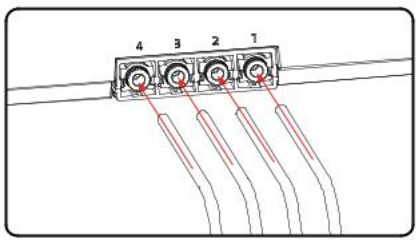
Install ACE 2 Pro

1. Place the ACE 2 Pro on top of the Kobra S1.
2. Insert the 4-pin signal cable into the printer's back panel and the 6-pin cable into the hole in the lower left corner of the ACE 2 Pro.
3. Secure the Blockage Detection Assembly to the back of the printer using the M2.5*25 screws , and insert the connecting cable into the port (using an H2.0 hex wrench).
4. Insert the suspended Teflon tube into the port.
5. Insert one end of the Teflon tube into the 4-in-1 Teflon tube port.
6. Insert the other end of the Teflon tube into the port on the bottom of the ACE 2 Pro, and secure the Teflon tube using a hub. (Note: The Teflon tube connections do not have a specific order.)
7. After completing the above steps, power on the printer and ACE 2 Pro using the power cord.





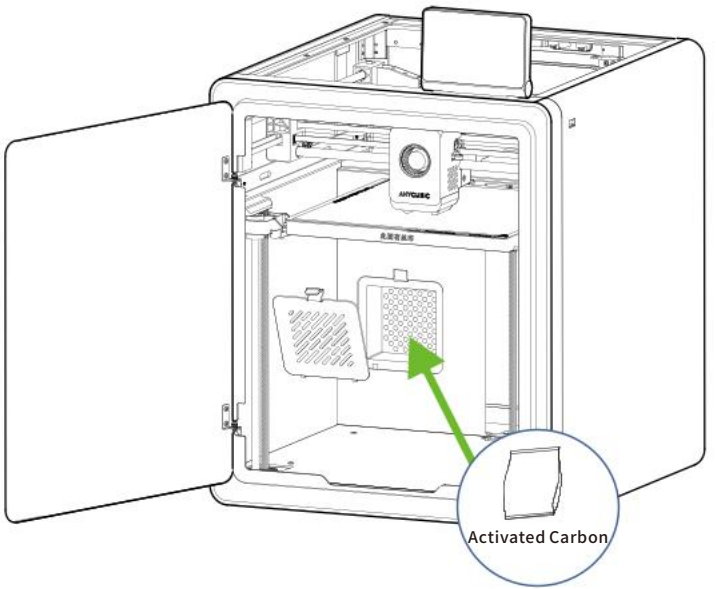
⑤



⑥

Install Activated Carbon

Take out the activated carbon from the accessories box, and tear off the vacuum packaging, place it in the filter box inside the printer.



Power on

①Startup Page

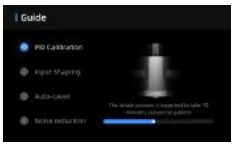
②Language Selection

③Region Selection

④Network Connection

⑤APP Download and Binding

⑥PID Calibration



⑦Vibration Compensation

⑧Auto Leveling

⑨Active Noise Reduction

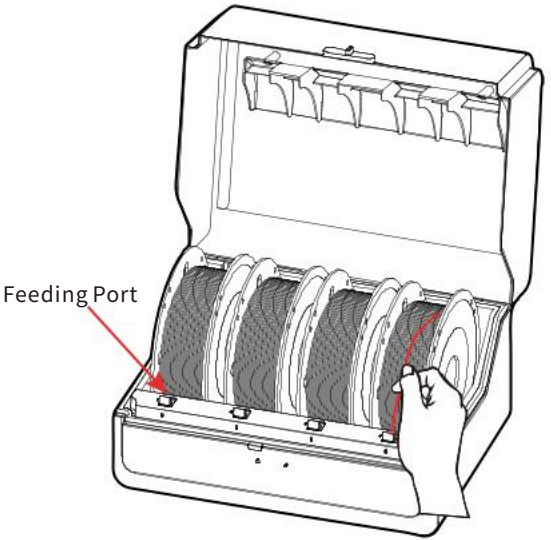
⑩Finish Initial Startup

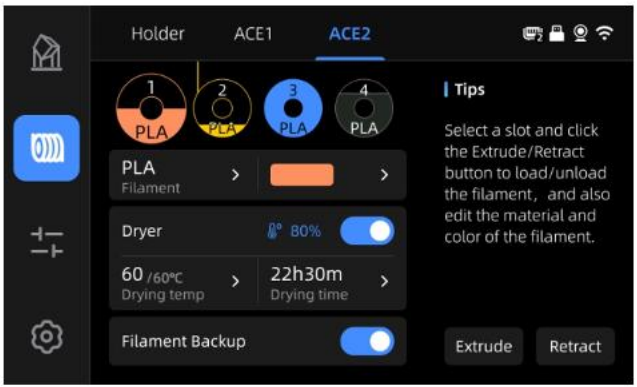
Makeronline QR code:
(Download the latest model via Makeronline)

Note: The UI shown is for reference only. Due to continuous feature enhancements, please refer to the latest firmware for the most up-to-date interface.

Filament Feeding

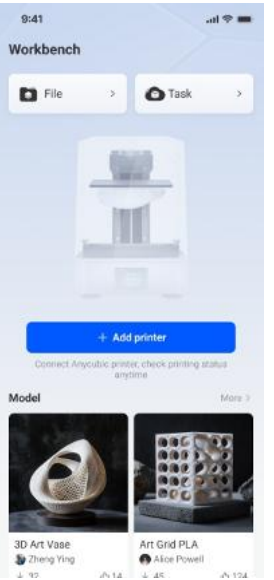
1. Place at least one spool of filament into the ACE 2 Pro.
2. Insert the filament into the feeding port. ACE 2 Pro will automatically detect the strand and begin the pre-feeding process.
3. Navigate to the [Filament] menu to select the active slot. Set the filament type and color to complete the loading process.
(Note: If using Anycubic RFID-enabled filament, ACE 2 Pro will automatically recognize and sync these settings.)





Add a Printer on the APP

1. Ensure the printer is connected to your local Wi-Fi or network.
2. Download the Anycubic App from your app store (or scan the QR code located in [Settings] on the printer screen). Register and log in to your account.
3. Open the app, tap "Add Printer," and scan the QR code on the printer's display to link the machine to your account.

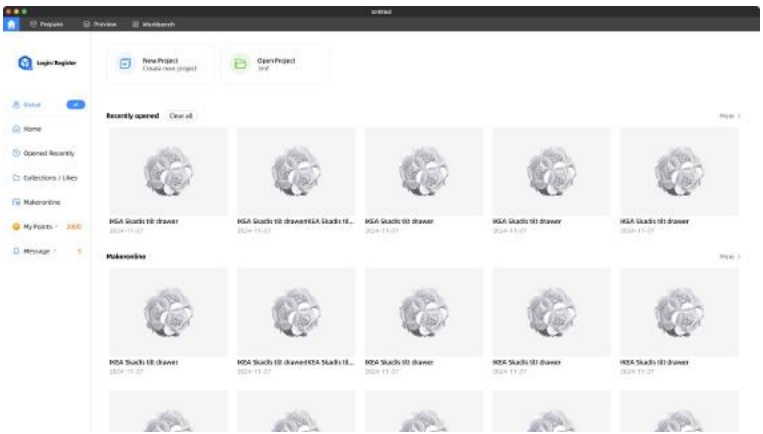


Slicer Installation and Printer Addition

Slicer download:

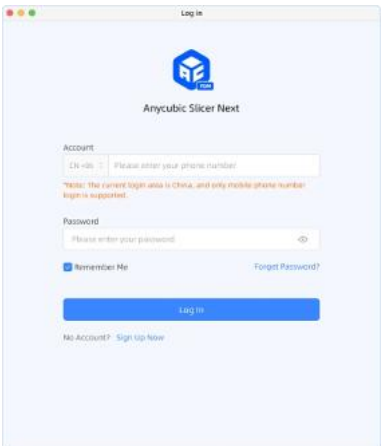
1. Download and install the Anycubic Slicer by scanning the QR code on the right or visiting: anycubic.com/slicerNextDownload.
2. Ensure your printer is powered on and connected to the internet before proceeding with remote setup.
3. Launch the software and navigate to the Workbench or Login section to link your printer and begin remote printing.

①After the software is installed, go to the main page and click [Login/Register].



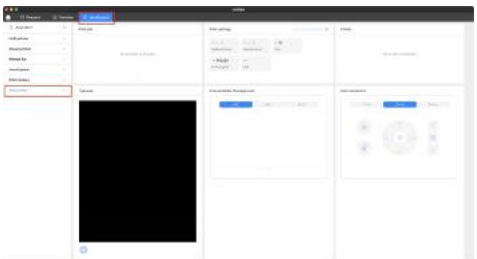
Note: The software interface is based on the latest version.

② If you already have an Anycubic account (the same one used for your mobile app), enter your credentials to log in. New users can select [Sign Up Now] to create an account.



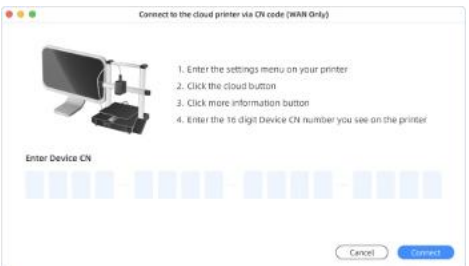
Slicer Installation and Printer Addition

③Click [Workbench] and select [Add Printer].



④The software will automatically scan for printers on your local network and sync any devices already linked to your app. If your printer does not appear, select [Connect via CN Code] to link it manually.

⑤ Locate CN Code: On the printer, navigate to [Settings] > [Device Info] > [Device CN Code] to view your unique connection code.



Precautions

1) The Anycubic 3D printer contains high-speed moving components. Keep hands and loose clothing clear of the motion system during operation to avoid injury.

2) If the printer will be idle for an extended period, store it in a cool, dry location protected from rain and moisture.

3) The printer generates extreme heat during operation. Never touch the printhead, hotbed, or freshly extruded material with bare hands.

4) The nozzle remains hot even after printing. Always wear heat-resistant gloves when performing maintenance or manual adjustments to prevent burns.

5) In the event of an emergency or malfunction, immediately switch off the power or disconnect the power cord.

6) Keep the Anycubic 3D printer and all small accessories (such as screws and cutters) out of the reach of children.

7) When replacing the fuse, use only a 250V / 10A rated fuse to prevent electrical damage or short circuits.

8) This device is equipped with a removable power plug. For safety, unplug the cord if the printer will be unused for a long duration.

9) Minor surface scratches on the build platform or slight texture variations in extruded material are normal and do not impact printing performance.

*Still have questions? If your issue remains unresolved, please contact our technical support team. Our engineers will review your request and provide a solution within one business day. (https://support.anycubic.com/)

After-sales support

Warm tips:

1. Fill in the information based on the SN of the corresponding model. Items marked with a red dot are required.
2. If the ticket is successful, you will soon receive a reply from the after-sales service system in your mailbox.
3. If you successfully place an ticket but do not receive an email, please check your spam/junk folder.
4. If the ticket creation fails, please pay attention to the pop-up reminder on the web page.

FCC Regulatory Compliance

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.

Caution： The user that 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 eguipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

Disposal of Electronic Components

This symbol indicates that the device must not be disposed of with household waste. When this product reaches the end of its life, please dispose of it in accordance with local environmental regulations. Take it to a collection point for the recycling of waste electrical and electronic equipment. Proper disposal helps prevent environmental and health hazards caused by inappropriate handling of electronic waste. Recycling also supports the conservation of natural resources. Do not dispose of this product with unsorted municipal waste.

Entsorgung elektronischer Bauteile

Dieses Symbol weist darauf hin, dass das Gerät nicht mit dem Haushaltsmüll entsorgt werden darf. Am Ende seiner Lebensdauer entsorgen Sie dieses Produkt bitte gemäß den örtlichen Umweltvorschriften. Bringen Sie es zu einem Sammelpunkt für das Recycling von Elektro- und Elektronik-Altgeräten. Eine ordnungsgemäße Entsorgung hilft, Umwelt- und Gesundheitsgefahren durch unsachgemäße Behandlung von Elektroschrott zu vermeiden. Recycling unterstützt auch den Erhalt natürlicher Ressourcen. Entsorgen Sie dieses Produkt nicht mit dem unsortierten Siedlungsabfall.

Élimination des composants électroniques

Ce symbole indique que l'appareil ne doit pas être jeté avec les déchets ménagers. Lorsque ce produit atteint la fin de sa vie, veuillez l’ éliminer conformément aux réglementations environnementales locales. Apportez-le à un point de collecte pour le recyclage des déchets d’ équipements électriques et électroniques. Une élimination correcte aide à prévenir les risques environnementaux et sanitaires causés par une manipulation inappropriée des déchets électroniques. Le recyclage soutient également la conservation des ressources naturelles. Ne jetez pas ce produit avec les déchets municipaux non triés.

Eliminación de componentes electrónicos

Este símbolo indica que el dispositivo no debe desecharse con los residuos domésticos. Al final de su vida útil, por favor, dispóngalo de acuerdo con las regulaciones ambientales locales. Llévelo a un punto de recogida para el reciclaje de residuos de aparatos eléctricos y electrónicos. Una eliminación adecuada ayuda a prevenir los peligros ambientales y para la salud causados por una manipulación inapropiada de los residuos electrónicos. El reciclaje también apoya la conservación de los recursos naturales. No deseche este producto con los residuos municipales sin clasificar.

Smaltimento dei componenti elettronici

Questo simbolo indica che il dispositivo non deve essere smaltito con i rifiuti domestici. Al termine del suo ciclo di vita, si prega di smaltirlo in conformità con le normative ambientali locali. Portalo a un punto di raccolta per il riciclaggio di apparecchiature elettriche ed elettroniche usate. Uno smaltimento corretto aiuta a prevenire i rischi ambientali e per la salute causati da una gestione inadeguata dei rifiuti elettronici. Il riciclaggio supporta anche la conservazione delle risorse naturali. Non smaltire questo prodotto con i rifiuti urbani non differenziati.

Simplified Declaration of Conformity

Hereby, Shenzhen Anycubic Technology Co.,Ltd. Declares that this equipment complies with Directive 2014/53/EU, Directive 2006/42/EC, Directive 2011/65/EU, Radio Equipment Regulations 2017,Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012, and other relevant provisions. The full text of the Declaration of Conformity can be obtained at the following internet address:https://eu.anycubic.com/pages/declaration-of-conformity-doc

EC REP

Name: Lienco SAS
Add: 8 Rue Marcel Cerdan, 77600, Bussy Saint Georges, France
Contact: Ruoyu Zhang
Tel: 0033766929910
E-Mail: contact@lienco.eu

UK REP

Name: WSJ PRODUCT LTD
Add: Unit 1, Alsop Arcade, Brownlow Hill, Liverpool L3 5TX
Contact: Michael
Tel: +44 1519470193
E-Mail: info@wsj-product.com

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