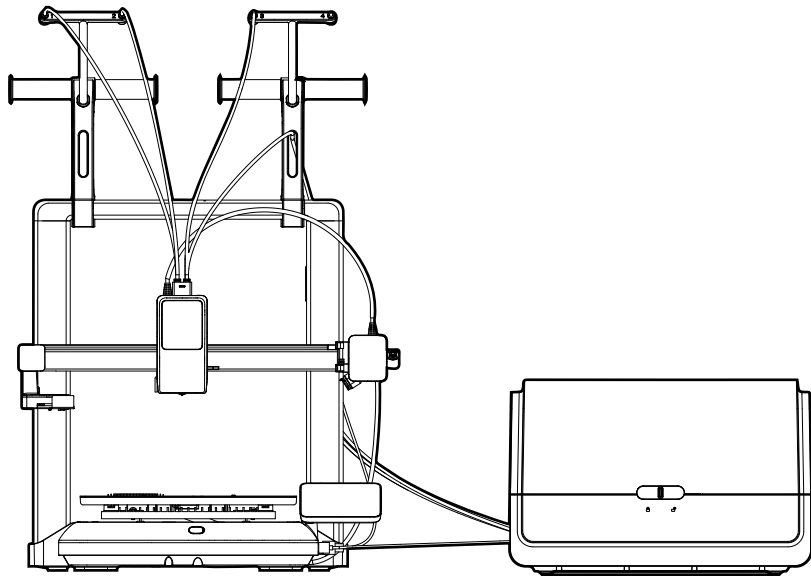




Anycubic Kobra X Combo User Manual



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

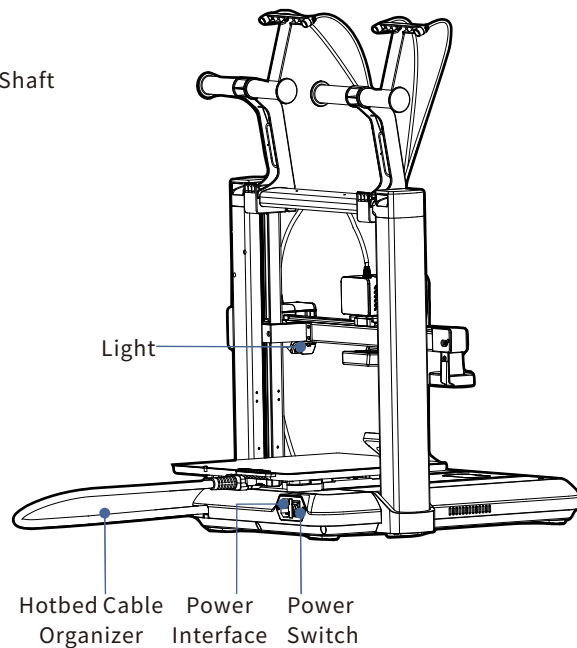
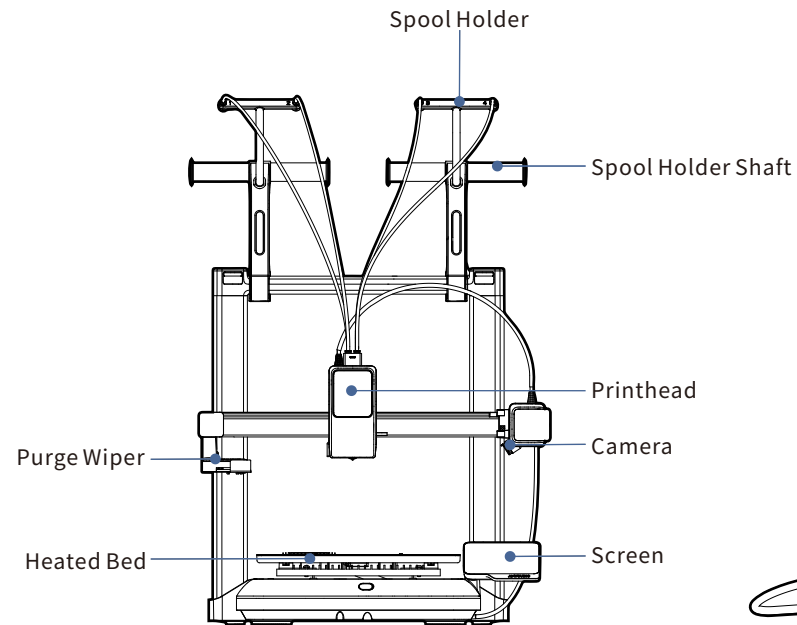


ANYCUBIC
App

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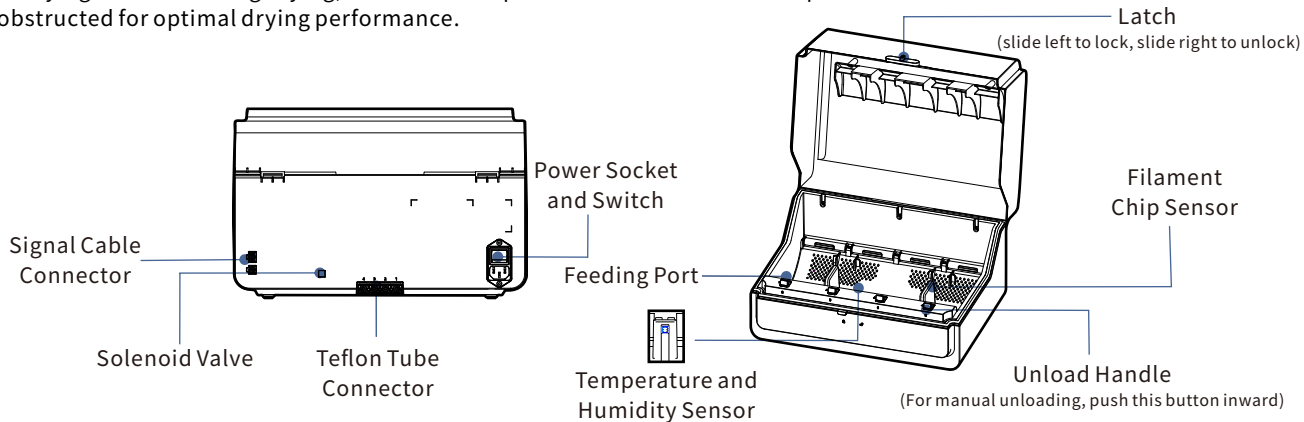
Products at a Glance



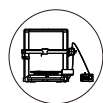
Product Overview

***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.



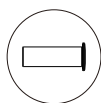
Packing List



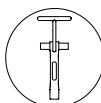
Kobra X



ACE 2 Pro



Spool Holder
Shaft(4pcs)



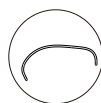
Spool Holder
(2pcs)



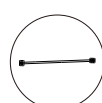
M3*6(4pcs)



M2.5*25
(2pcs)



Teflon Tube
(7pcs & 1pcs
for Channel 4)



Signal Cable



Power Cord
(2pcs)



Nozzle
Cleaner



4.0/2.5/2.0/1.5
&Magnet



Filament
Samples



Breakage &
Clogging
Detection Module



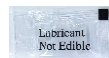
Cable Clip



Application
Brush



Decorative
Cover
(2pcs)



Grease



PTFE Tube Clip
Fixing Glue

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

Specifications

Printer Parameters

Printing Principle:FDM (Fused Deposition Modeling)
Print Volume:260 mm (L) × 260 mm (W) × 260 mm (H)
Print Layer Thickness:0.08 - 0.28 mm
Headbed Temperature:100 °C
Number of Nozzles:Single nozzle
Nozzle Diameter:0.4 mm
Consumables:PLA/TPU/PETG/ABS etc.

Software Parameters

Slicer:AC Slicer/PrusaSlicer/Cura
Input Format:.STL, .OBJ
Output Format:GCode
Connection Method:Anycubic APP,Anycubic Slicer

Power Supply Parameters

Power Input:110 V~,60 Hz/220 V~,50 Hz
Rated Power:475 W/1450 W

Wi-Fi

Frequency band:2.4 GHz,5 GHz
Working Mode:STA, AP+STA Blending Mode

Physical Parameters

Machine Size:455.4 mm (L) × 445.3 mm (W) × 461.3 mm (H)
Maximum Size of the Machine
(including spool holder and heated moving forward and backward):
455.4 mm (L) × 635.0 mm (W) × 685.1 mm (H)
Machine Net Weight:10.2 kg
Intelligent Color Engine Dimensions:368 mm (L) × 291.5 mm (W) × 236.5 mm (H)
Intelligent Color Engine Net Weight:3.7 kg

Product Installation

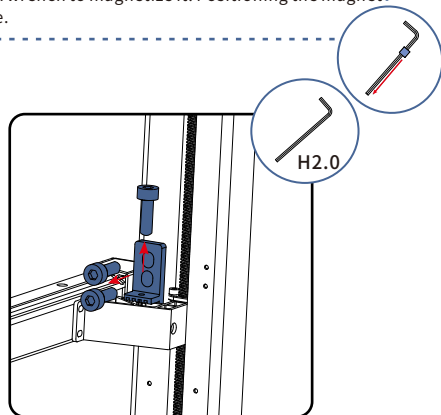
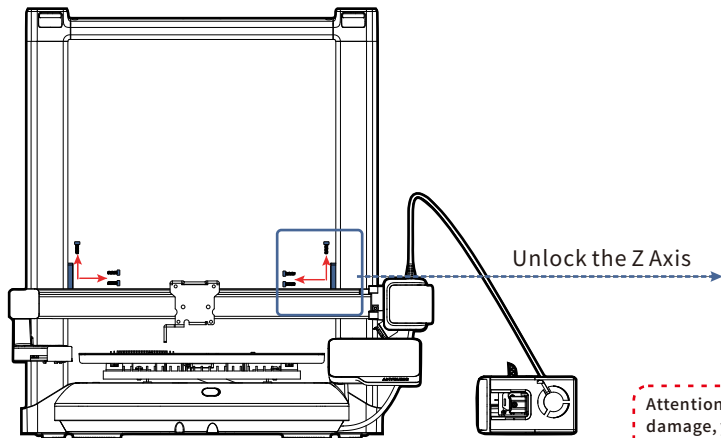
Scan the QR code on the right to watch a step-by-step installation video.



① Unlock the Printer Frame Z axis

Use the H2.0 hex wrench to loosen the six screws securing the Z-axis gantry fixtures. There are three screws on each side; follow the same procedure for both the left and right fixtures.

• Pro Tip: To prevent screws from falling during assembly, slide a magnet along your hex wrench to magnetize it. Positioning the magnet closer to the tip will increase the magnetic pull, making it easier to hold screws in place.

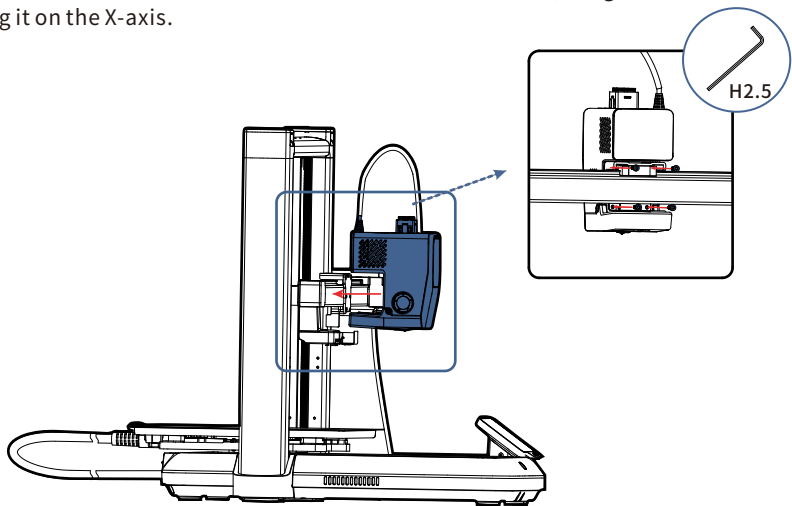
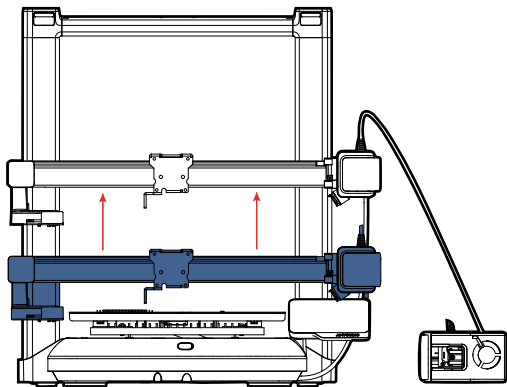


Attention: Unlock before powering to prevent permanent hardware damage, you must unlock the Z-axis before turning on the power. Do not connect the power cable until the Z-axis is fully released.



② Install the Printhead

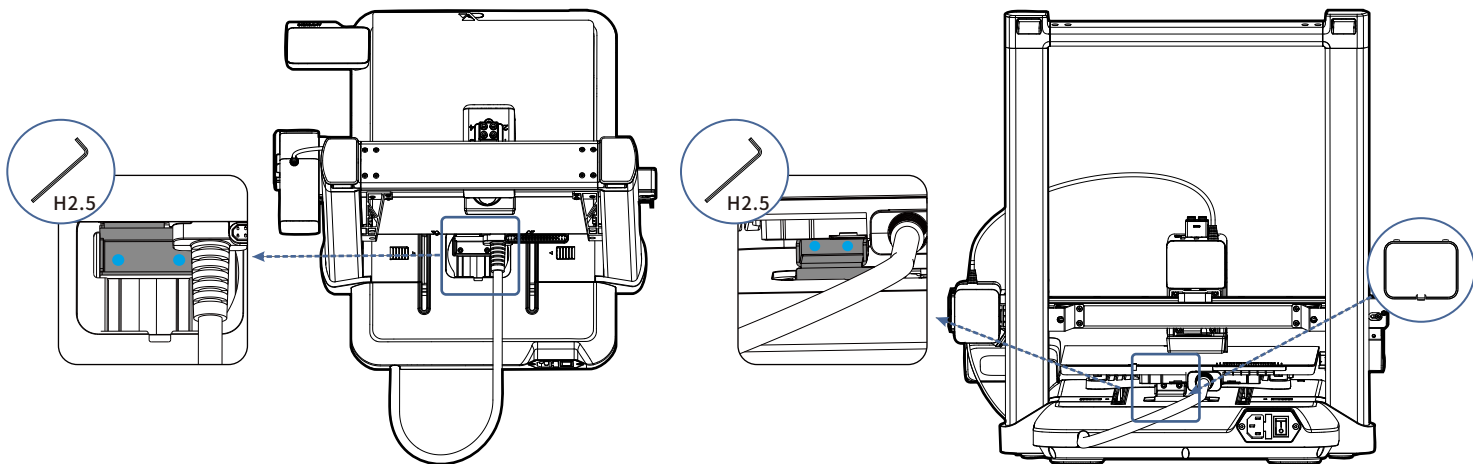
1. Hold the top horizontal axis and manually lift the X-axis to approximately 3/4 of the way up the Z-axis. This provides clearance for the base installation.
2. Align the groove on the back of the printhead with the black module on the X-axis, and use four M3*6 screws (using an H2.5 hex wrench) to tighten the printhead from back to front, fixing it on the X-axis.



③Unlock the Heated Bed

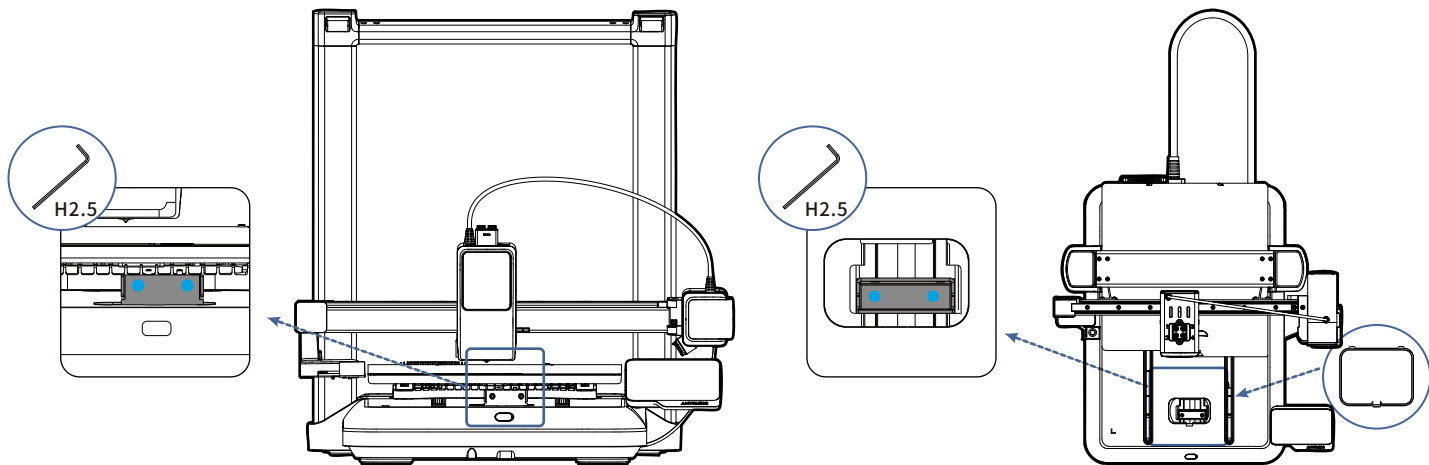
1. Use an H2.5 hex wrench to loosen the four screws on the rear heated bed mount, as shown in the figure below.
2. Remove the mount and install the decorative cover in its place.

Warning: To prevent machine damage, do not power on the machine before unlocking the heated bed.



③Unlock the Heated Bed

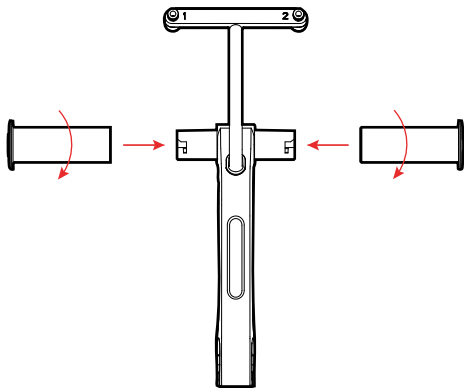
3. Use an H2.5 hex wrench to first loosen the two front screws of the front heated bed mount.
4. Slide the heated bed backward to expose the front mount, then use the H2.5 hex wrench to loosen its two bottom screws.
5. Remove the mount and install the decorative cover in its place.



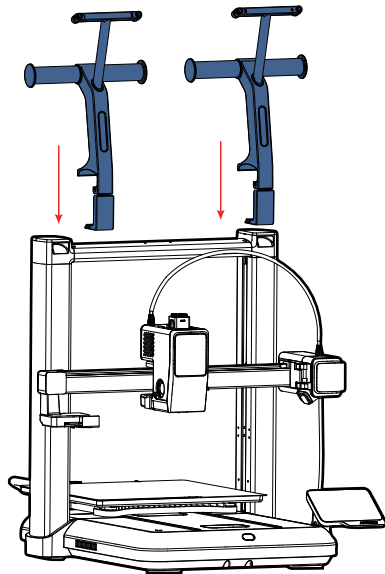
4 Install the Spool Holder

1. Insert the spool holder shafts into both sides of the spool holder. Push and rotate the shafts until they are fully seated, then rotate them downward to lock them firmly into place.
2. Once the spool holders are assembled, snap them onto the left and right sides of the printer frame's top horizontal axis.

Note: For easier filament changes, you can slide the spool holders along the top horizontal axis to your preferred position on the left or right.



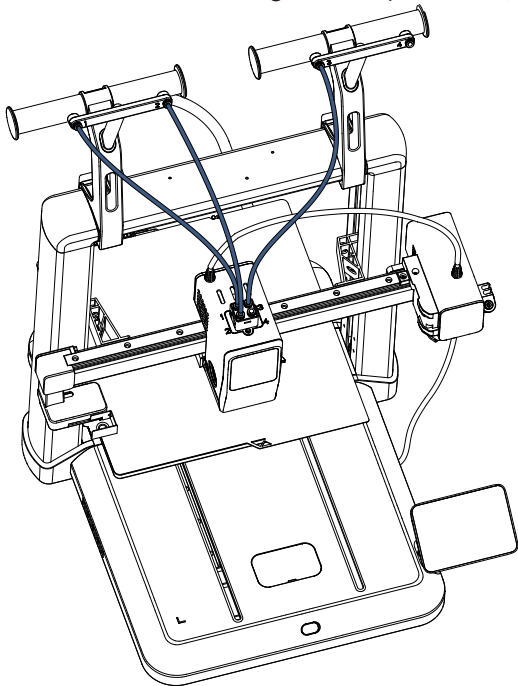
① Assemble the Spool Holder



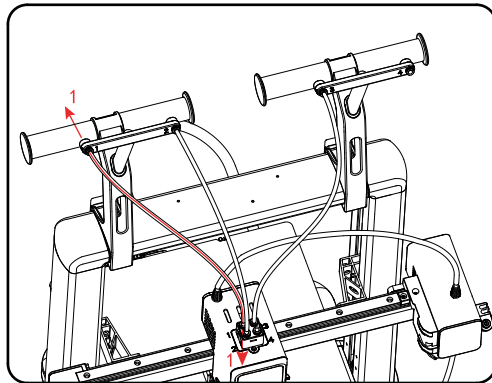
② Install the Spool Holder

5 Install Teflon Tube

Insert one end of each of the three teflon tubes into the holes above the printhead, and the other ends into the feed ports on the front of the spool holders. (* Channel 4 is for subsequent ACE 2 Pro connections. If you do not need to connect to the ACE 2 Pro, you can connect to channel 4 using the same procedure.)

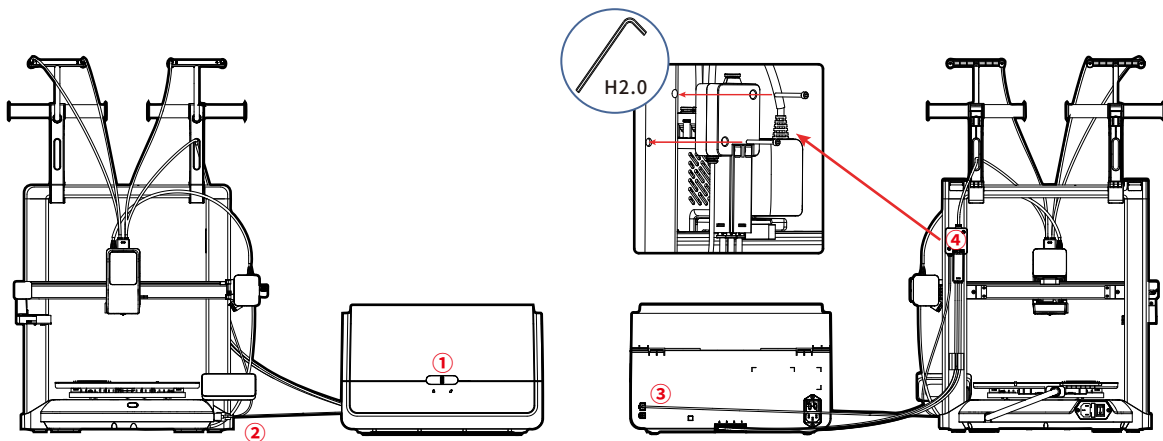


Note: Match each tube to its designated port according to the number markings.

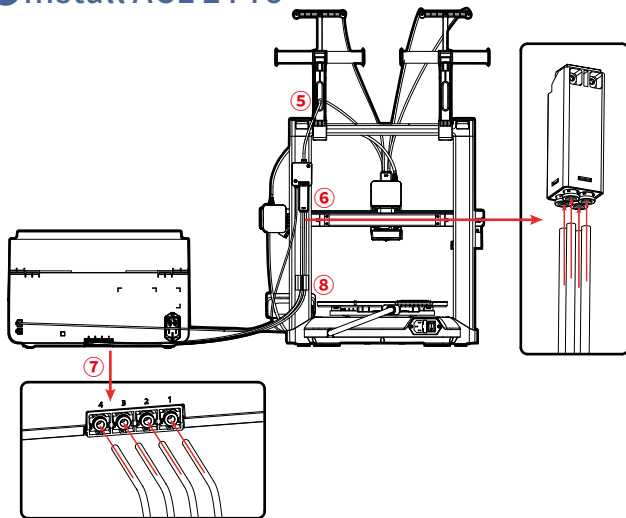


⑥ Install ACE 2 Pro

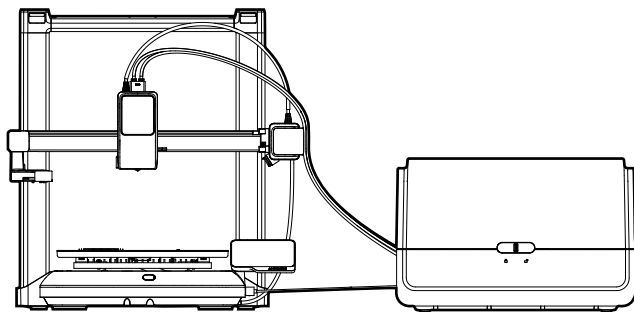
1. We recommend placing the ACE 2 Pro on the right side of the printer.
2. Plug the male 4-pin connector of signal cable into female 4-pin port located on the right side of the printer base.
3. Plug the male 6-pin connector into the port at the lower-left corner on the rear of the ACE 2 Pro.
4. Secure the breakage & clogging detection module to the back of the printer using the M2.5*25 screw. Tighten it firmly with the H2.0 hex wrench.



6 Install ACE 2 Pro



*Note: When printing with TPU or PVA filaments, we recommend bypassing the return detection module to ensure optimal print quality. Connect the teflon tube from the ACE 2 Pro directly into the 4-in-1 Filament Hub, as illustrated in the image below.



5. Pass teflon tube for channel 4 through the center hole of the filament rack. Connect one end of breakage & clogging detection module to the printhead channel 4.

6. Connect four additional teflon tubes to the ports on the 4-in-1 Filament Hub.

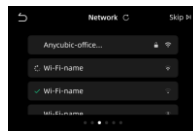
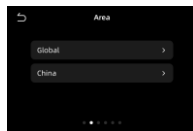
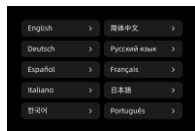
7. Connect the opposite ends of these four tubes to the ports located at the bottom-rear of the ACE 2 Pro, then secure them using the cable clip. (Note: Tubes may be connected to the ACE 2 Pro ports in any order.)

8. To avoid teflon tubes interference with the heated bed, you can paste PTFE tube clip fixing glue here. Select the print PTFE tube clip in the machine's local model and paste it here to secure the teflon tubes.

*Power Up: Once all connections are secure, use the power cables to power on both the printer and the ACE 2 Pro.

Power on

- ① Boot Page ② Language Selection ③ Region Selection ④ Network Connection ⑤ APP Download ⑥ Security Confirmation



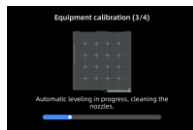
- ⑦ Auto-home



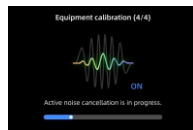
- ⑧ Input Shaping



- ⑨ Auto Leveling



- ⑩ Active Noise Cancellation



- ⑪ Calibration Complete



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



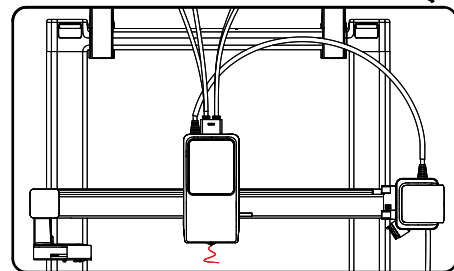
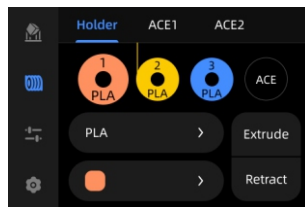
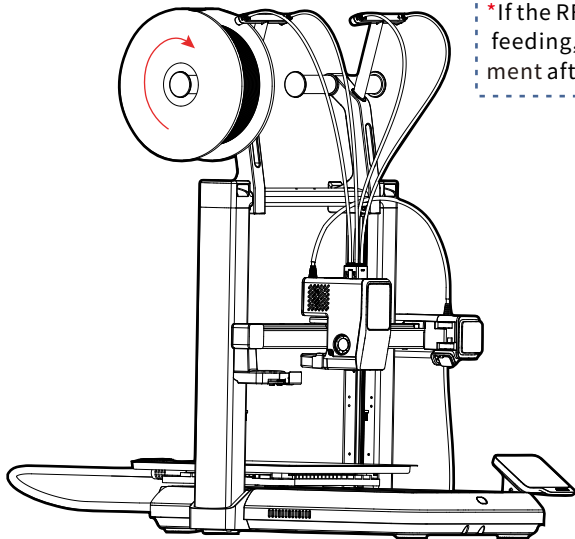
Note: The UI shown is for reference only. Due to continuous feature enhancements, please refer to the latest firmware for the most up-to-date interface.



Filament Feeding by Spool Holder

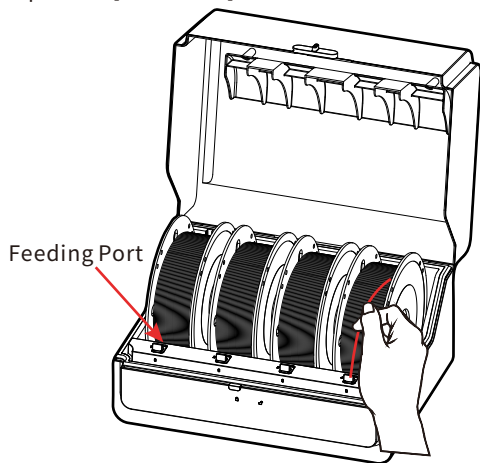
1. Place the filament spool onto the holder. For the smoothest extrusion, ensure the spool rotates in the same direction as the filament feed (see diagram below).
2. Insert the filament into the extruder. The machine will beep when the filament feeding is successful.
3. Open the [Filaments] menu on the touchscreen. Set the filament type and color, and complete the filament feeding operation.

* If the RFID function in the lower left corner of the machine is used before filament feeding, the screen will simultaneously display the material and color of the filament after successful filament feeding.



Filament Feeding by ACE 2 Pro

1. Place at least one spool of filament into the ACE 2 Pro.
2. Insert the tip of the filament into the feeding port. The ACE 2 Pro will detect the filament and automatically pre-feed it into the system.
3. Open the [Filaments] menu on the touchscreen. Select the active slot and set the filament type and color.



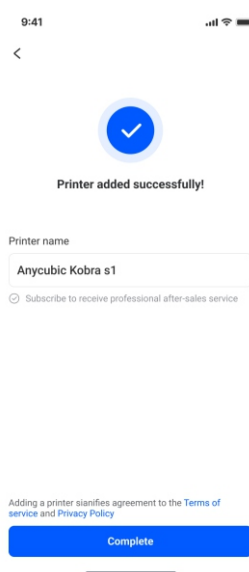
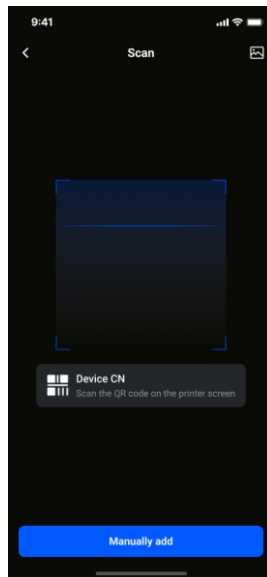
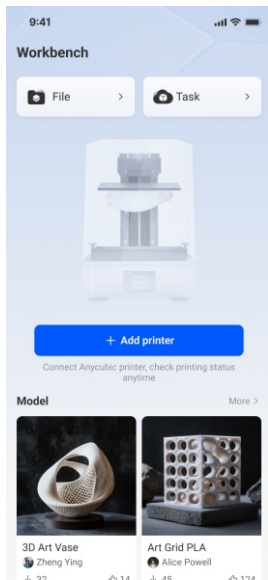
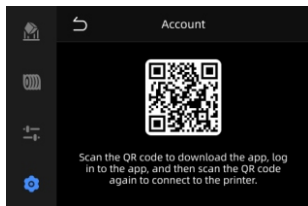
Note:

1. If you are using official Anycubic RFID filaments, the ACE 2 Pro will instantly identify and sync the color and filament for you—no manual entry required!
2. We recommend using plastic spools for the smoothest experience. Paper spools can cause increased friction or slippage, leading to debris buildup. If using paper spools, please use an adapter ring (available for download at Makeronline) to ensure consistent performance.
3. When loading the filament, ensure the spool is seated firmly against the RFID sensor slot. This prevents misalignment and ensures the ACE 2 Pro can instantly identify your filament.



Add a Printer on the APP

1. Connect your printer to the internet.
2. Scan the QR code on the printer screen. Go to [Settings] - [Account]. Download the ANYCUBIC app, register, and log in to your ANYCUBIC account.
3. Open the ANYCUBIC app, tap "+Add Printer," and scan the QR code on the printer screen to link your ANYCUBIC account.



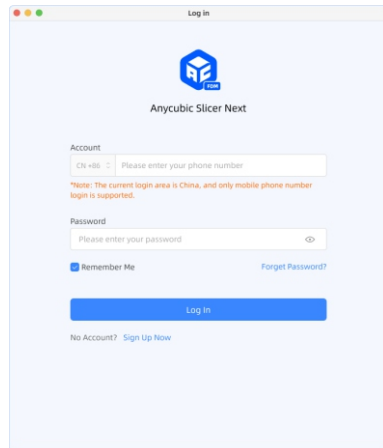
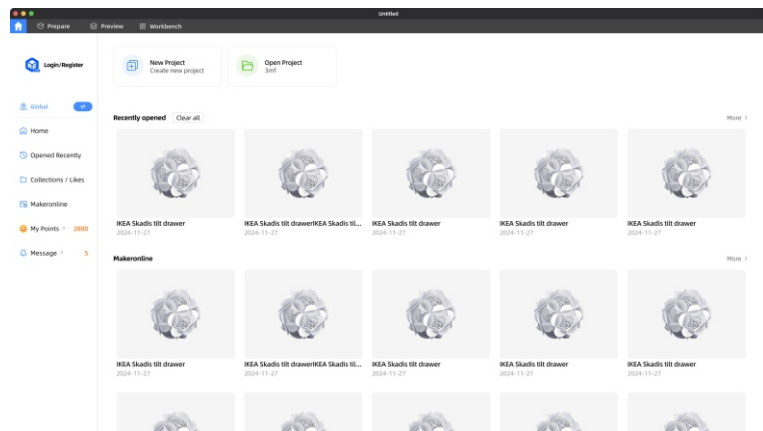
Slicer Installation and Printer Addition

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.

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

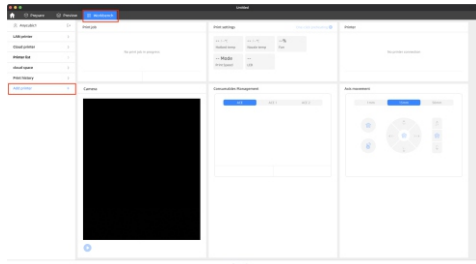


Note: The software interface is based on the latest version.

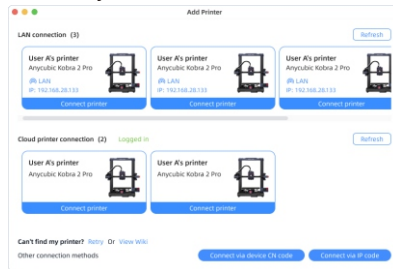


Slicer Installation and Printer Addition

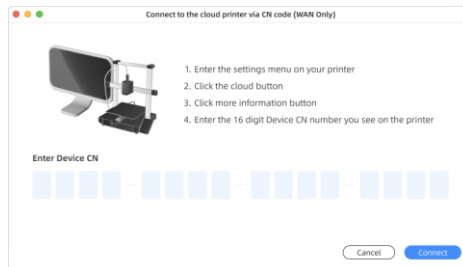
③ Click [Workbench] and select [Add Printer].



④ The 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.

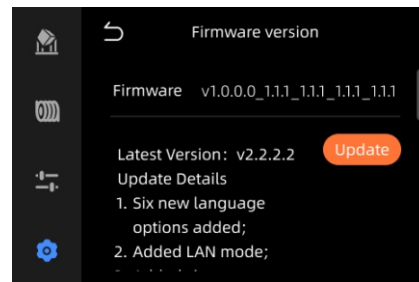
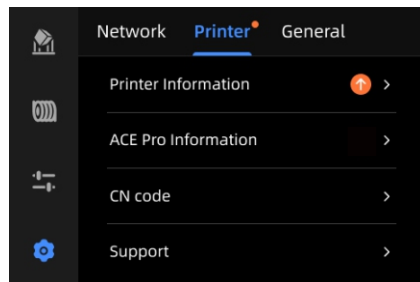


⑤ Locate CN Code: On the printer, navigate to [Settings] > [Device Info] > [Device CN Code] to view your unique connection code.



Upgrading the Firmware

Click on [Settings] - [Device Information] - [Firmware Version], and wait for the device to complete the firmware upgrade.



Machine Maintenance

3D printers are composed of complex mechanical structures and numerous moving parts. In order to ensure their stable operation and obtain high-quality printing results, regular maintenance and care are required.

Moving Metal Parts:

- Regularly lubricate the lead screw, linear rod, guide rail, idler pulley, and extruder wheel assembly to prevent rust.
- Lubricating oil can be used for the guide rail, linear rod, and idler pulley, while grease should be used for the lead screw and extruder wheel assembly.

Consumables:

- Regularly inspect plastic or rubber parts and cutter blades for signs of aging (including deformation) and damage.
- Replace parts such as silicone wipes and Teflon tubes as necessary.

Other Parts:

- Inspect the camera lens, fan, and filament sensor Hall effect components for debris or dust accumulation.
- Clean the fan with compressed air; gently wipe the camera with a lint-free cloth and isopropyl alcohol to ensure optimal cleanliness.

***We recommend using official Anycubic filaments. Anycubic has conducted extensive testing on these products to guarantee the best printing results.**



Scan the QR code to learn more about machine maintenance information

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/>)



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 equipment 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 deseché 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

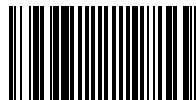
Hereby, Shenzhen Anycubic Technology Co.,Ltd. Declares that this equipment complies with Directive 2014/53/EU, Directive 2006/42/EC, Directive 2011/65/EU, Radio Equipment Regulations 2017, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012, 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>



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