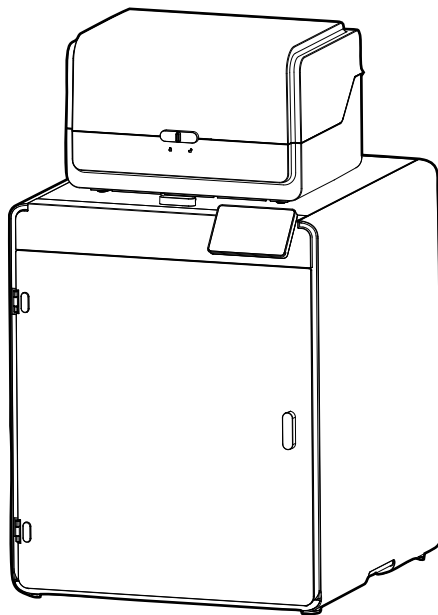




# Anycubic Kobra S1 Max Combo User Manual



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](https://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



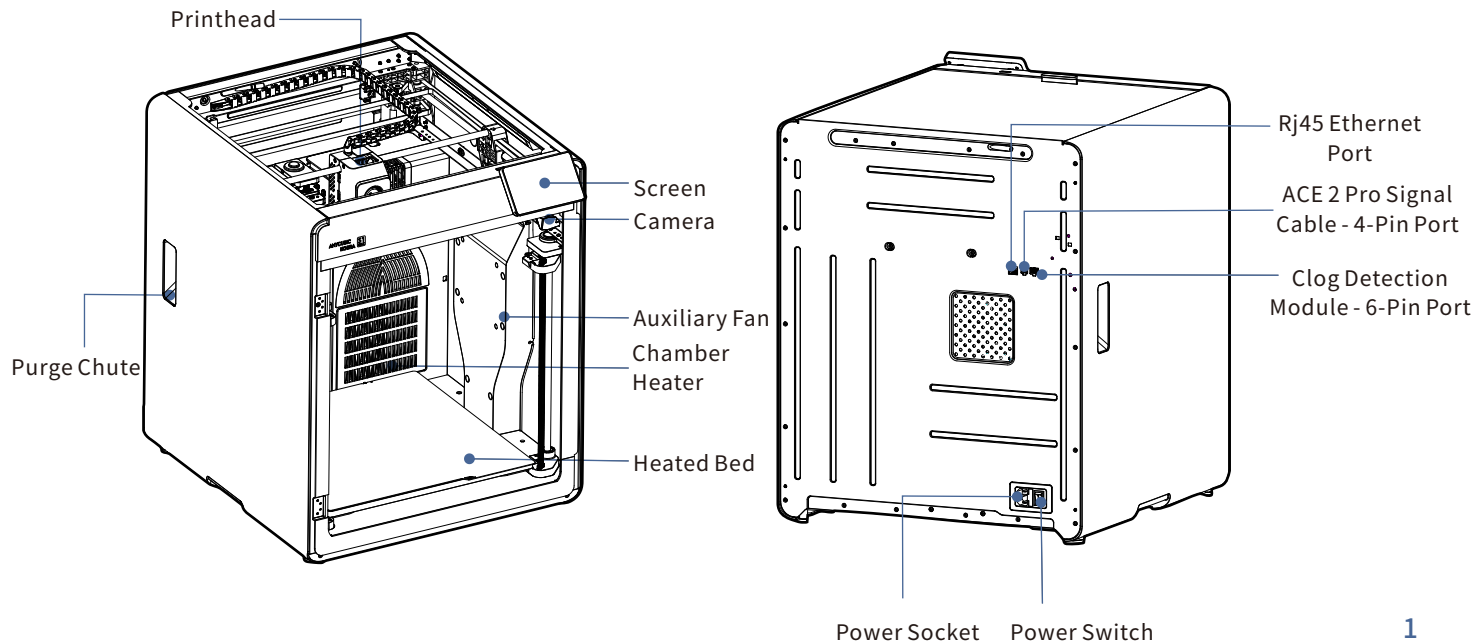
**ANYCUBIC**  
App

# Table Of Contents

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|          |                                                         |    |
|----------|---------------------------------------------------------|----|
| <b>1</b> | <b>Product Introduction</b>                             | 1  |
| <b>2</b> | <b>Product Unboxing</b>                                 | 4  |
| <b>3</b> | <b>Product Installation</b>                             | 5  |
|          | Unlock Printhead                                        | 5  |
|          | Remove ACE 2 Pro                                        | 5  |
|          | Remove ACE 2 Pro Mounting Item                          | 6  |
|          | Unlock the Heated Bed                                   | 7  |
|          | Install Spool Holder                                    | 8  |
|          | Install Activated Carbon Pack and Lead Screw Dust Cover | 10 |
|          | Install ACE 2 Pro                                       | 11 |
| <b>4</b> | <b>Power On</b>                                         | 12 |
| <b>5</b> | <b>Filament Feeding</b>                                 | 13 |
| <b>6</b> | <b>Printer Binding</b>                                  | 14 |
|          | APP                                                     | 14 |
|          | Slicer                                                  | 15 |
| <b>7</b> | <b>Upgrading the Firmware</b>                           | 17 |
| <b>8</b> | <b>Machine Maintenance</b>                              | 18 |
| <b>9</b> | <b>Precautions</b>                                      | 19 |

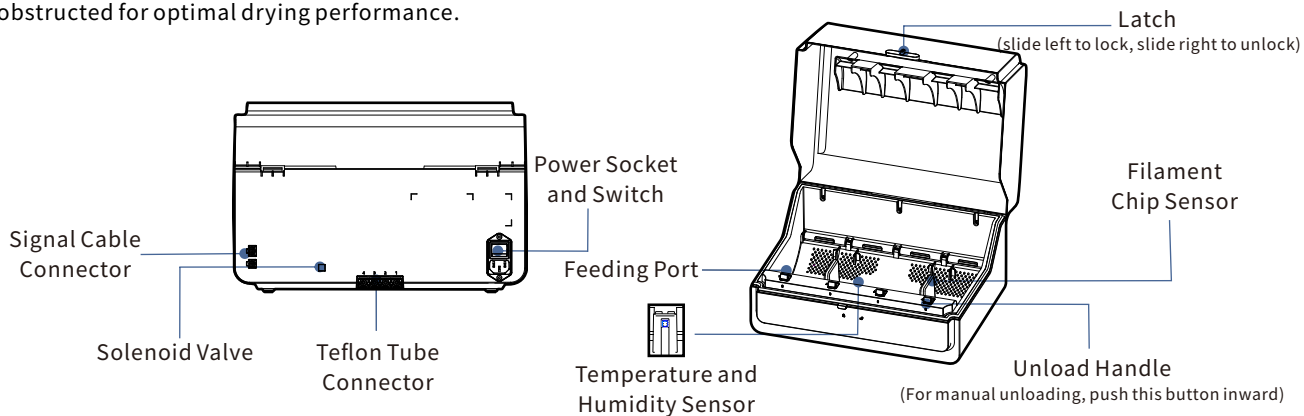
# Product Overview



# 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.

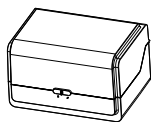


# Packing List

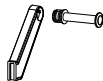
Note: The following pictures are for reference only.  
Please refer to the actual product received.



Kobra S1 Max



ACE 2 Pro



Spool Holder



Signal Cable



Teflon Tubes  
(4pcs)



Power Cord  
(2pcs)



Return Detection Module  
(including 4-in-1-Hub)



Bag #1  
M4\*16 (2pcs)



Bag #2  
M2.5\*25 (2pcs)



Cable Clip  
(2pcs)



2.5/2.0/1.5



Filament Samples Nozzle Cleaner



Grease



0.6mm

Hardened Steel Nozzle



Nozzle  
Cleaning Module



Nozzle Parking Pad



Activated  
Carbon Pack



Spool Holder  
Assembly

## Specifications

### Printer Parameters

Printing Principle: FDM (Fused Deposition Modeling)  
Print Volume: 350 mm (L) × 350 mm (W) × 350 mm (H)  
Layer Thickness: 0.08 - 0.28 mm  
Positioning Accuracy: X / Y / Z 0.0125 / 0.0125 / 0.0008 mm  
Number of Nozzles: Single Nozzle  
Nose Diameter: Standard 0.4 mm, optional 0.25 mm/0.6 mm/0.8 mm  
Filaments: PLA/PETG/TPU/PET/PLA-CF/PETG-CF/PVA/ABS/  
ASA/PC/PA/PA6-CF/PC-CF/PC-GF/PET-CF

### Software Parameters

Slicing Software: Anycubic Slicer Next/Orca Slicer  
Input Format: .STL, .OBJ, .3mf  
Output Format: GCode  
Connection Method: Anycubic App, Anycubic Slicer Next

### Power Supply Parameters

Power Input: 110 V~ / 220 V~  
Rated Power: 1000 W / 2200 W

### Wi-Fi

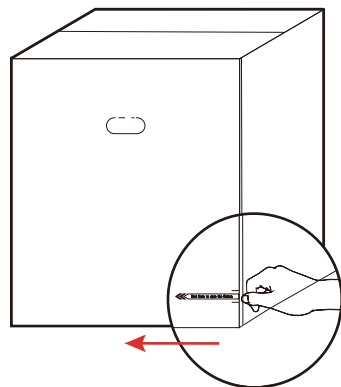
Frequency Band: 2.4 GHz, 5 GHz  
Working Mode: STA

### Physical parameters

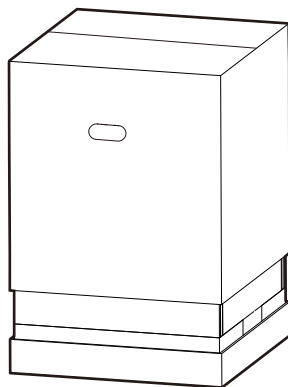
Machine dimensions: 502.7 mm (L) × 483 mm (W) × 584 mm (H)  
Machine net weight: 25.7 kg  
Intelligent Color Engine dimensions: 368 mm (L) × 291.5 mm (W) × 236.5 mm (H)  
Intelligent Color Engine net weight: 3.7 kg

## Product Unboxing

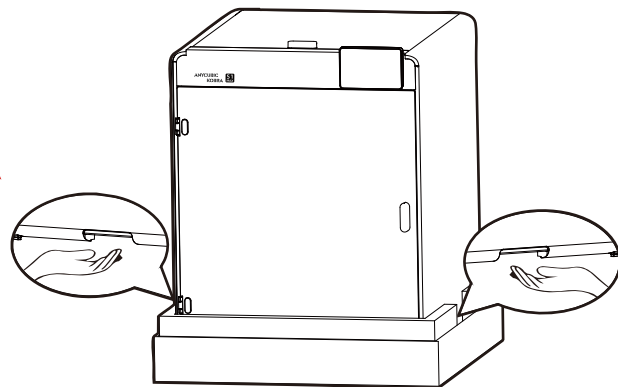
1. Tear open the packaging along the arrow indicated at the bottom.
2. Lift off the upper cover to expose the printer.
3. Use the bottom handles to carefully lift the printer out (two-person lift required).



① Tear along the arrow



② Separate the box

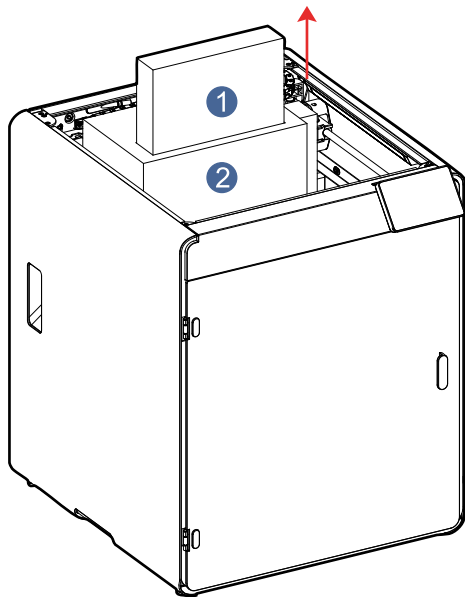


③ Lift it out together

# Product Installation

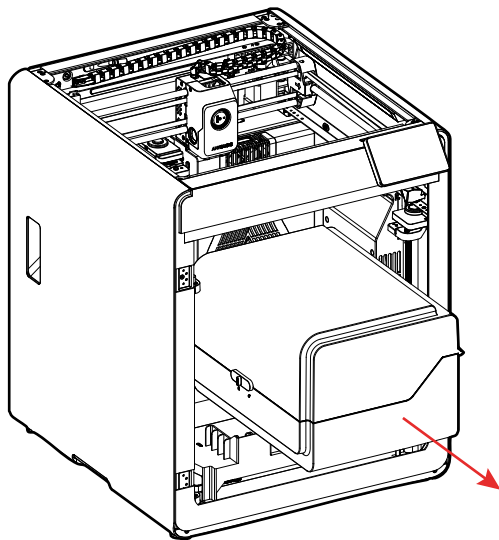
## ① Unlock Printhead

1. Remove the tape securing the glass cover, then carefully lift the cover off and set it aside.
2. Cut the cable tie on the print head; then, remove the toolbox and all protective foam inserts.



## ② Remove ACE 2 Pro

- Open the front door and cut the two cable ties. Remove the ACE 2 Pro from the printer chamber.

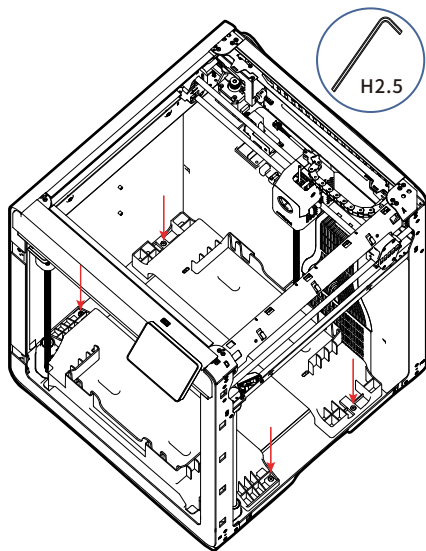


Scan the QR code on the right to watch a step-by-step installation video.

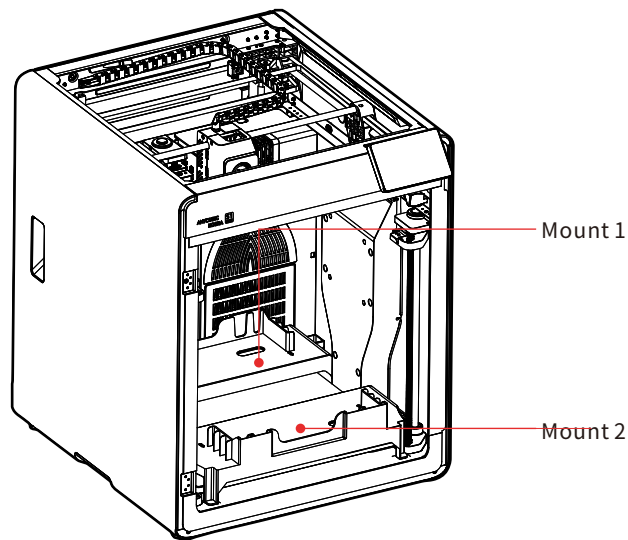


### ③ Remove ACE 2 Pro Mounting Item

1. Follow the arrows and use an H2.5 hex wrench to loosen the four screws securing the ACE 2 Pro. (\*Note: You only need to loosen the screws until the unit is free. They are designed to stay attached to the part so you don't lose them.)



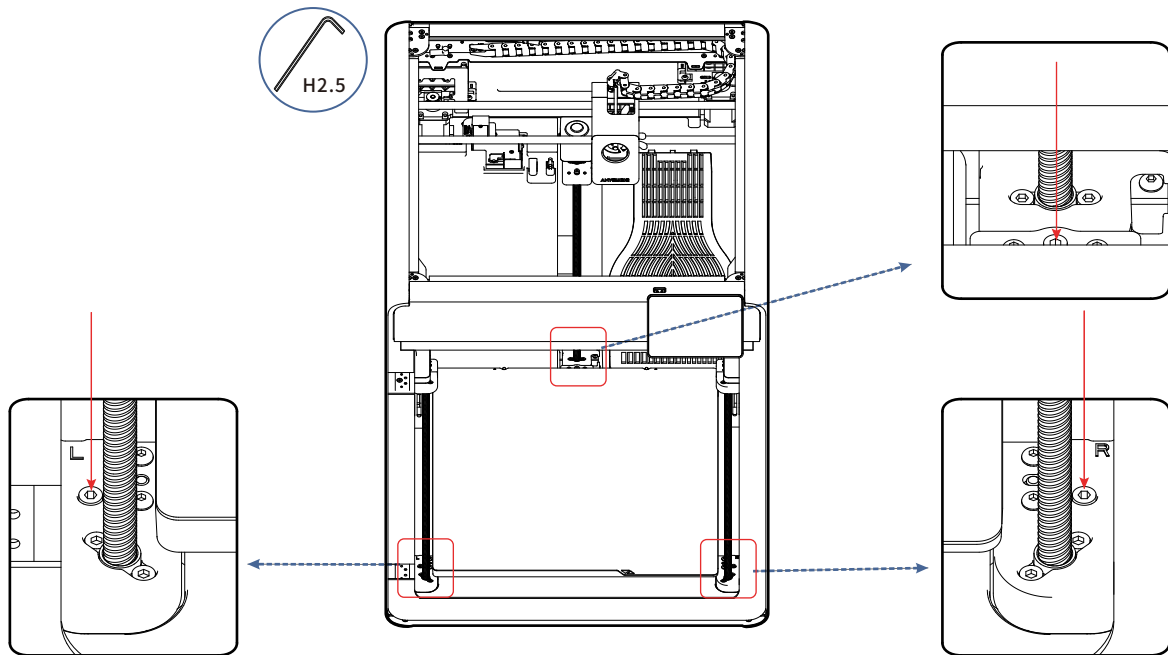
2. Remove the two mounts from the ACE 2 Pro.





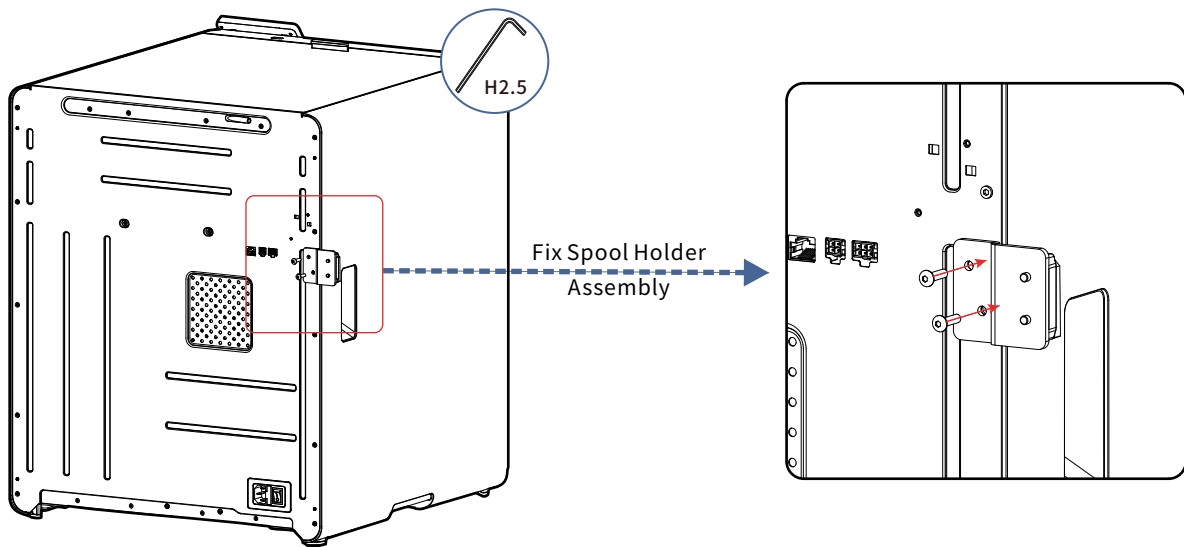
## ④ Unlock the Heated Bed

As illustrated, use an H2.5 hex wrench to remove the three screws indicated by the red arrows.



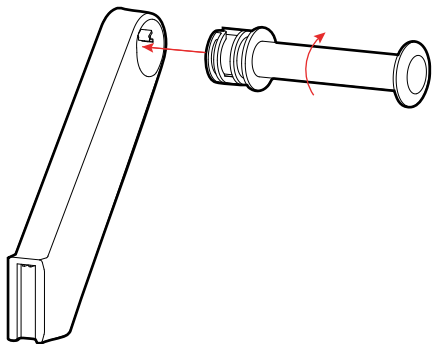
## 5 Install Spool Holder (Skip this step if using the ACE 2 Pro without spool holder)

1. Use an H2.5 hex wrench and the two M4\*16 screws (from bag #1), to fix the spool holder assembly to the machine back panel(Refer to the diagram below).

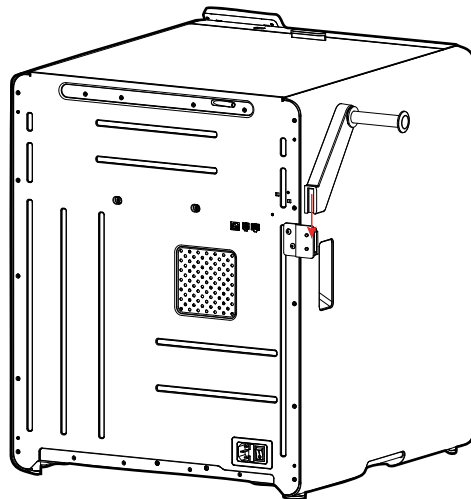


## ⑤ Install Spool Holder (Skip this step if using the ACE 2 Pro without spool holder)

2. Insert the spool holder shaft into the bracket and twist to lock.
3. Align the spool holder with the slide groove and slide it downward until fully seated to complete the installation.



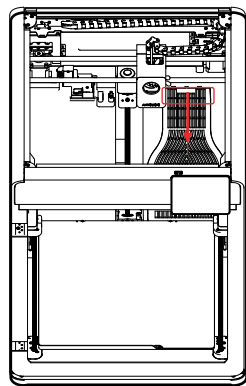
① Assemble the Spool Holder



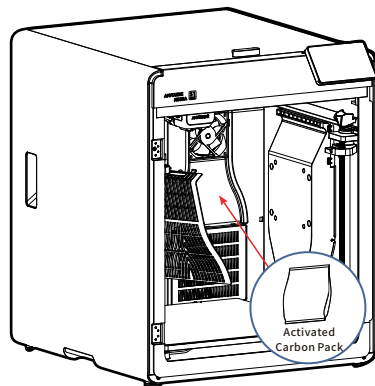
② Install the Spool Holder

## ⑥ Install Activated Carbon Pack and Lead Screw Dust Cover

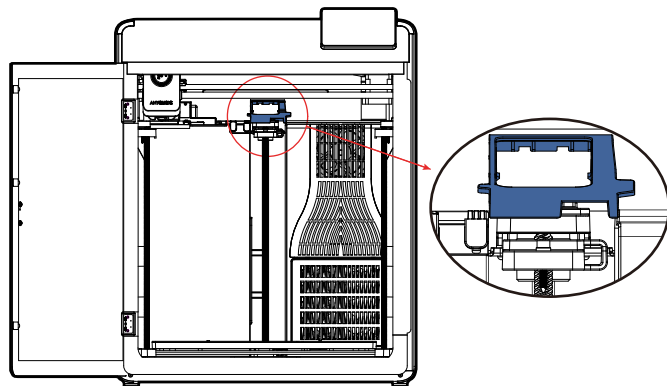
1. Press the recessed cover plate outwards to remove the cover plate containing the activated carbon pack.
  2. Remove the activated carbon pack from the accessory pack, tear off the vacuum packaging, place it in the filter cartridge compartment inside the printer, and replace the cover plate.
  3. Install the lead screw dust cover onto the upper end of the inner lead screw, applying light pressure until fully seated.
- (\* After completing all the above steps, you can use the power cord to power the machine.)



① Remove the Cover



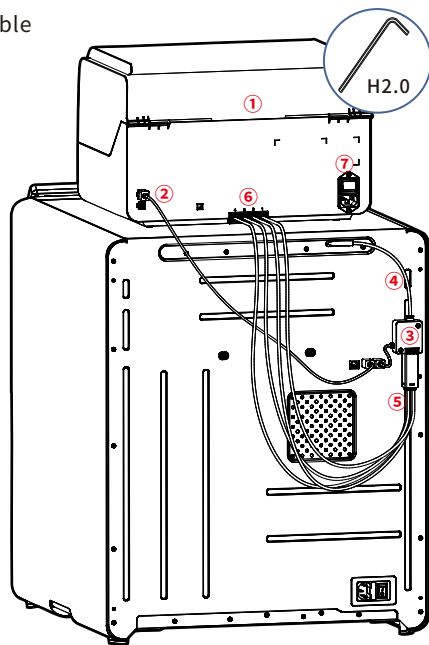
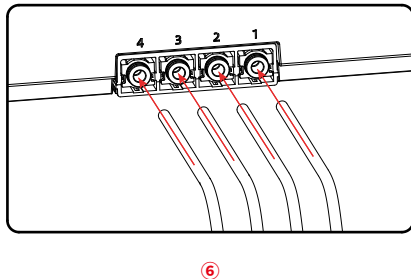
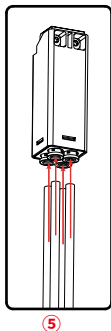
② Insert the Carbon Pack



③ Install Lead Screw Dust Cover

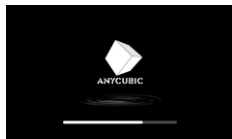
## 7 Install ACE 2 Pro

1. Place the ACE 2 Pro securely on top of the Kobra S1 Max.
2. Plug the 4-pin signal cable into the printer's back panel, then connect the 6-pin cable to the port located at the lower-left corner of the ACE 2 Pro.
3. Use an H2.0 hex wrench, secure the return detection module to the back of the printer with the M2.5\*25 screws (from Bag #2). Connect the assembly cable to the corresponding port.
4. Insert the suspended Teflon tube into the indicated port.
5. Insert one end of the Teflon tube into the 4-in-1 manifold port.
6. Insert the other end of the Teflon tube into the port at the base of the ACE 2 Pro. Use the hub to secure the tube in place. (Note: Teflon tube orientation is interchangeable; there is no specific required order for the ends.)
7. Connect the power cable to both the printer and the ACE 2 Pro, then switch on the units.

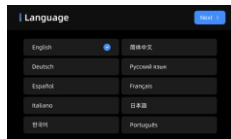


# Power on

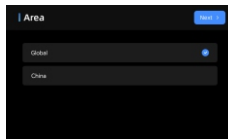
## ① Startup Page



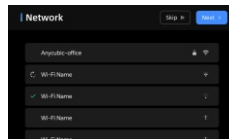
## ② Language Selection



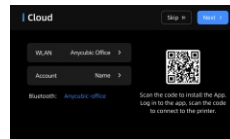
## ③ Region Selection



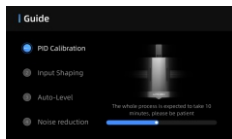
## ④ Network Connection



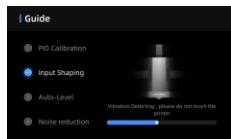
## ⑤ APP Download and Binding



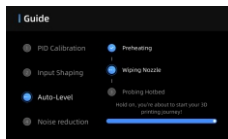
## ⑥ PID Calibration



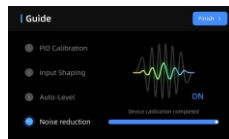
## ⑦ Vibration Compensation



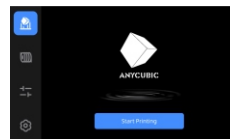
## ⑧ Auto Leveling



## ⑨ Active Noise Reduction



## ⑩ Finish Initial Startup



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

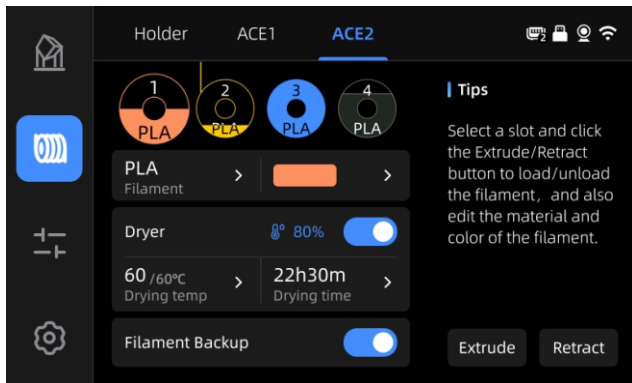
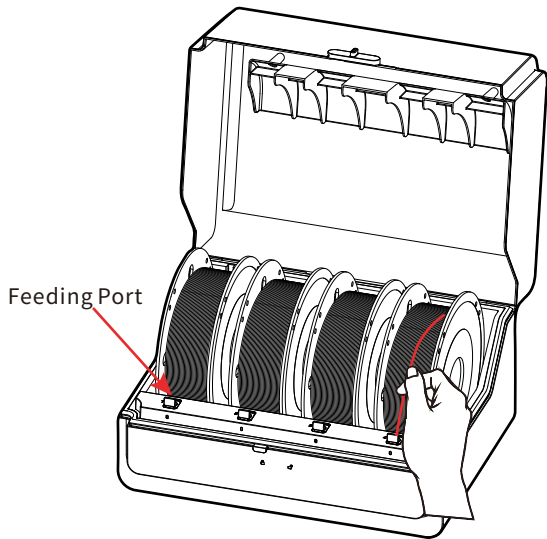


Note: The UI shown is for reference only. Due to continuous feature enhancements, please refer to the latest firmware for the most up-to-date interface.



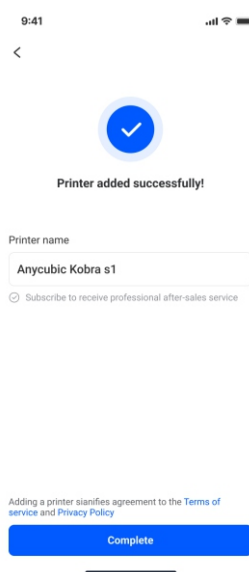
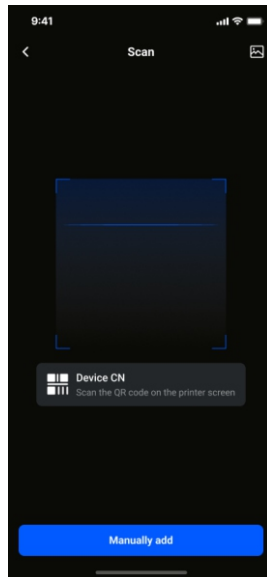
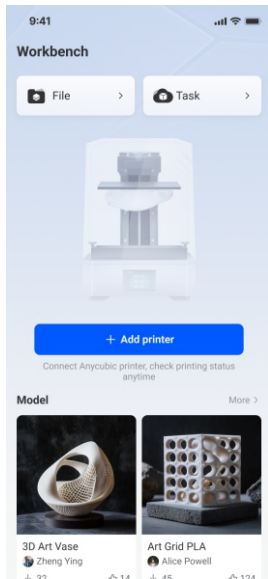
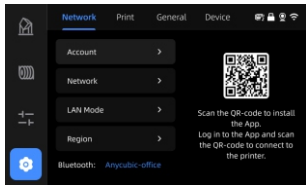
## Filament Feeding

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).
3. Open the app, tap "Add Printer," and scan the QR code on the printer's display to link the machine to your account.





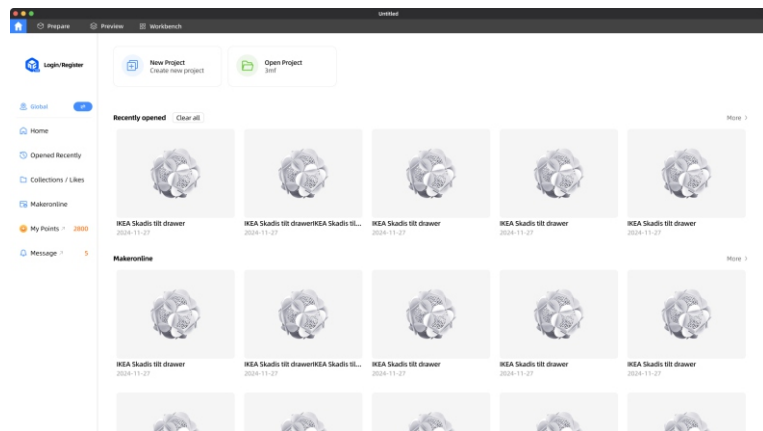
# Slicer Installation and Printer Addition

Slicer download:

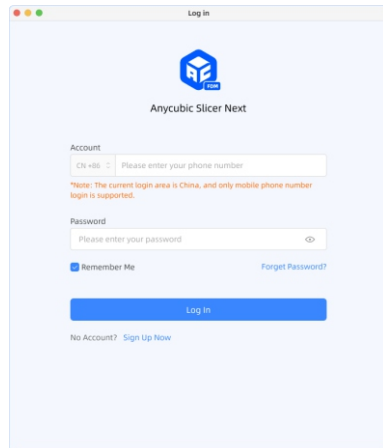


1. Download and install the Anycubic Slicer by scanning the QR code on the right or visiting: [anycubic.com/slicerNextDownload](https://anycubic.com/slicerNextDownload).
2. Ensure your printer is powered on and connected to the internet before proceeding with remote setup.
3. Launch the software and 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.

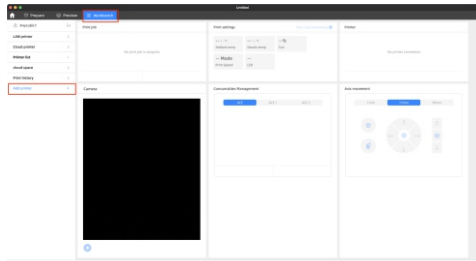


Note: The software interface is based on the latest version.

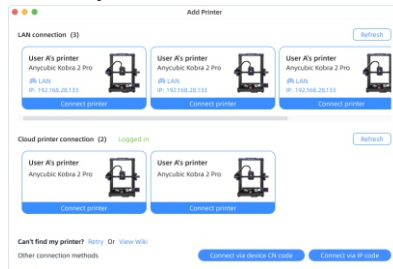


# Slicer Installation and Printer Addition

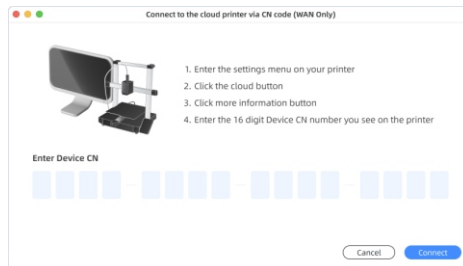
③ Click [Workbench] and select [Add Printer].



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.

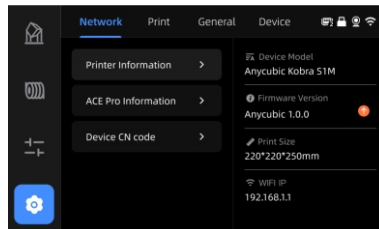
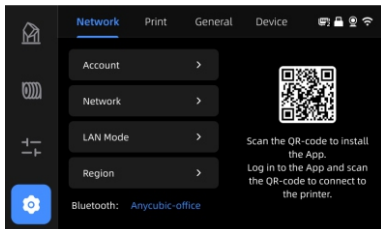


⑤ Locate CN Code: On the printer, navigate to [Settings] > [Device Info] > [Device CN Code] to view your unique connection code.



# 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/>)



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 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 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>







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



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](mailto:info@wsj-product.com)



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