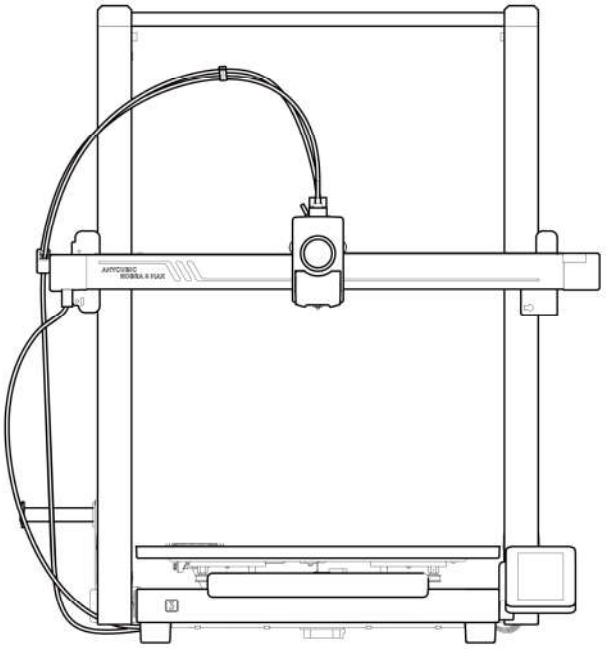
ANYCUBIC

Anycubic Kobra 3 Max
User Manual



Installation Video

The product picture is for reference only. Please refer to the actual product.

Dear Customer,

Thank you for choosing ANYCUBIC products.
Maybe you are familiar with 3D printing technology or have purchased ANYCUBIC printers before, but we still highly recommend that you read this manual carefully. The installation techniques and precautions in this manual can help you avoid any unnecessary damage or frustration.

Please visit https://support.anycubic.com/ to contact us if you have any question. You can also gain more information such as software, videos, models from the website.

ANYCUBIC APP

ANYCUBIC Wiki

ANYCUBIC Support Center

Team ANYCUBIC

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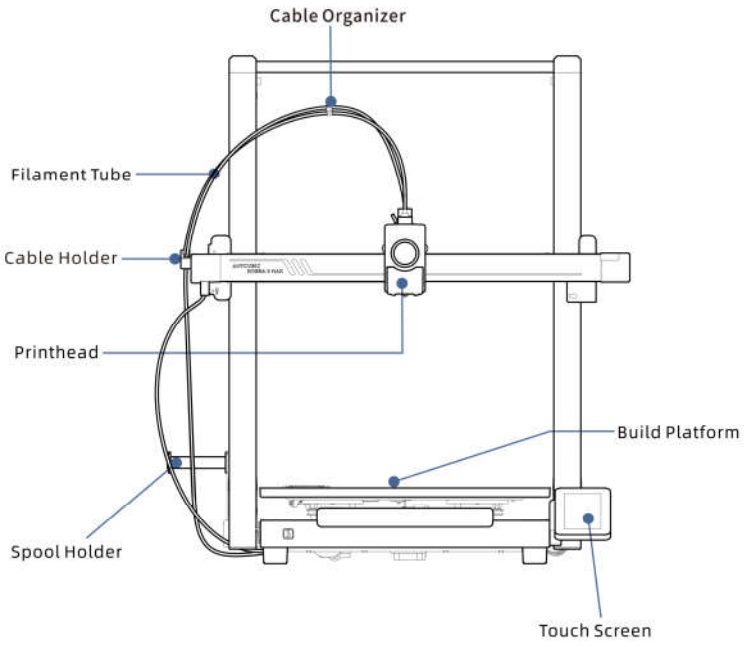
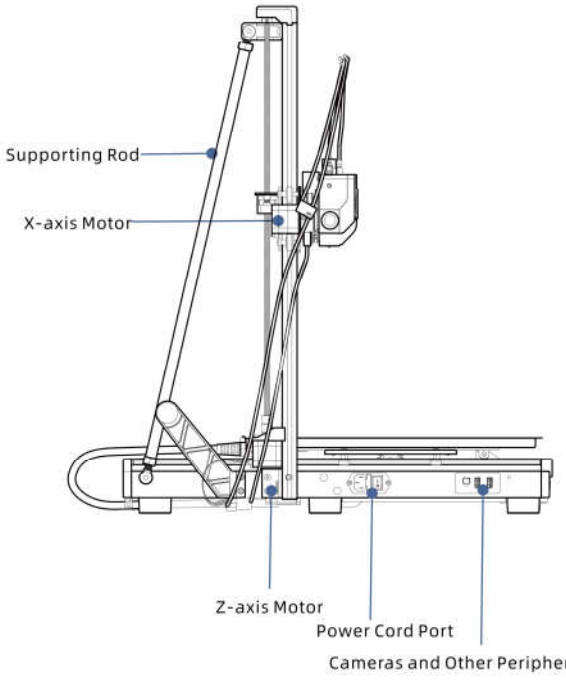
Product Overview

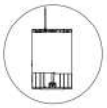




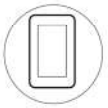
Packing List

The following pictures are for reference only. Please refer to the actual object.

Printer Frame


Base Housing

Printhead


Touch Screen

Spool Holder

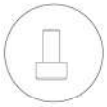
Cable Holder

Support Rod

Bag NO.1
For Frame

Bag NO.2
For Supporting Rod

Bag NO.3
For Printhead Cable


Bag NO.4
For Printhead

Bag NO.5
For Touch Screen

Bag NO.6
For Spool Holder

U Disk
(1pcs)

Power Cord
(1pcs)

Cable Organizer
(4pcs)

Filament Tube
(1pcs)

6.0/4.0/3.0/2.5/2.0/1.5

Wrench

Nozzle Cleaner

Filament

Grease

Technical Specification

Printing

Technology: FDM (Fused Deposition Modeling)
Build Size: 420 mm (L) × 420 mm (W) × 500mm (H)
Layer Thickness: 0.08 - 0.28mm
Positioning Accuracy: X / Y / Z 0.0125 / 0.0125 / 0.0025 mm
Extruder Quantity: Single
Nozzle Diameter: 0.4 mm
Supported Materials: PLA/TPU/PETG/ABS etc

Software

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

Electrical

Power Input: 110 V / 220 V AC
Rated Power: 1100 W

WIFI

Frequency Band: 2.4G(2.400-2.4835GHz)
Working Mode: AP, STA, AP+STA

Physical Dimensions

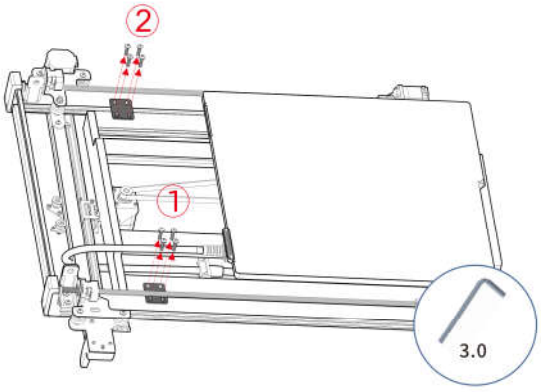
Printer Dimensions: 706mm (L) × 640mm (W) × 753mm (H)
Printer Dimensions (including spool holder and build platform movement range):
706(L) × 940mm (W) × 753 mm (H)
Net Weight: ~18KG

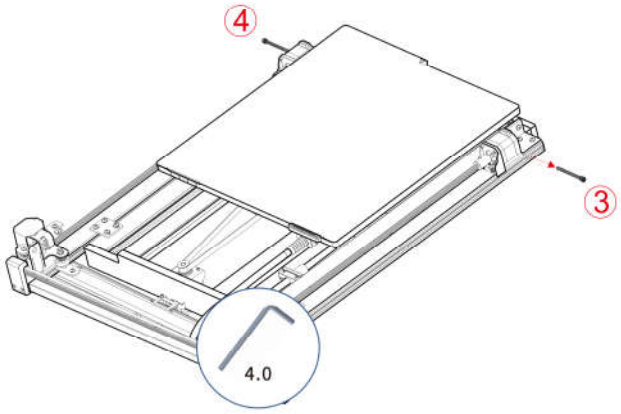
Machine Installation

For the installation instruction video, please scan the QR code on the right.

01 Unlock the Frame and Base

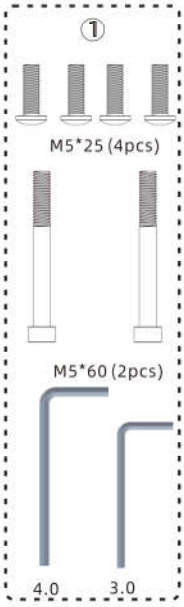
Take out the gantry frame and base assembly, use Allen Key H3.0 and H4.0 to remove the 10 screws shown in the picture to separate the gantry frame and base.

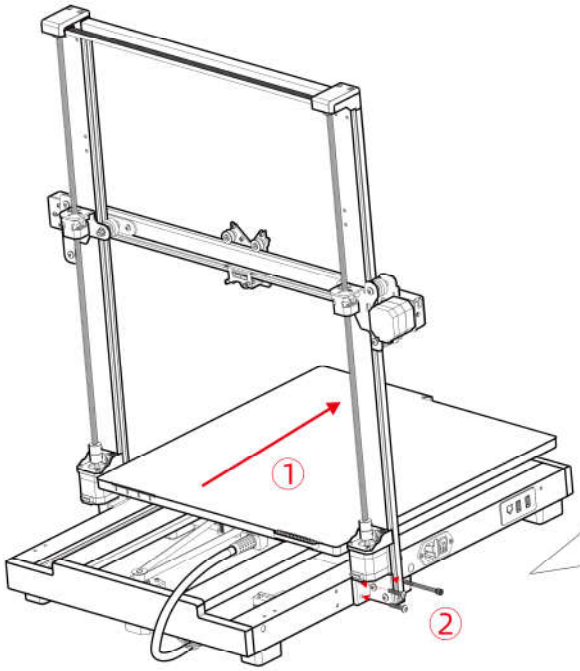


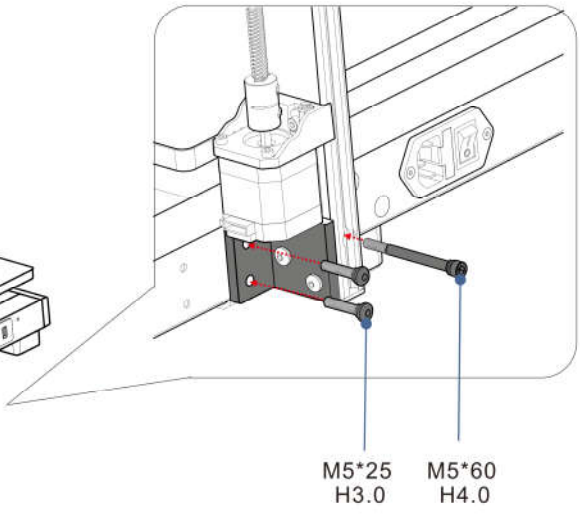


02 Install Frame

1.Push the build platform to the front of the printer, then place the gantry frame vertically on the base.
2.Fix the gantry frame and base with the No. 1 bag screws in the accessory box.



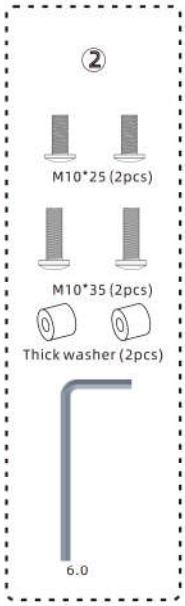


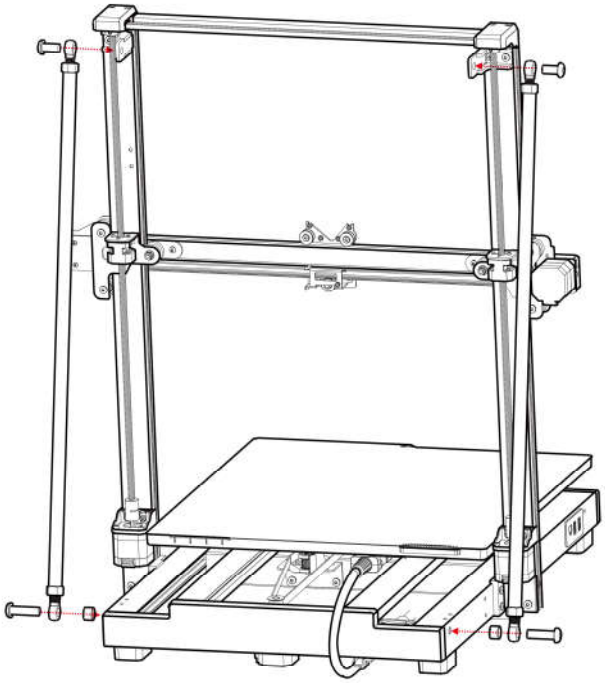


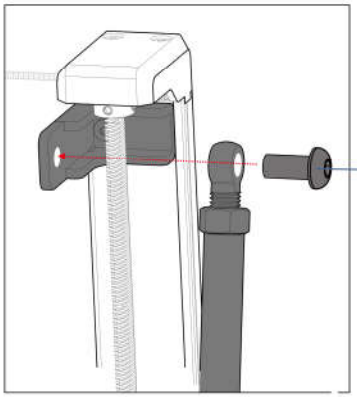
03 Install Support Rod

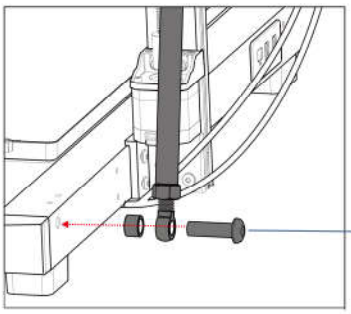
Use No. 2 bag screws to install the support rod.

*It is recommended to install the Base screws first.



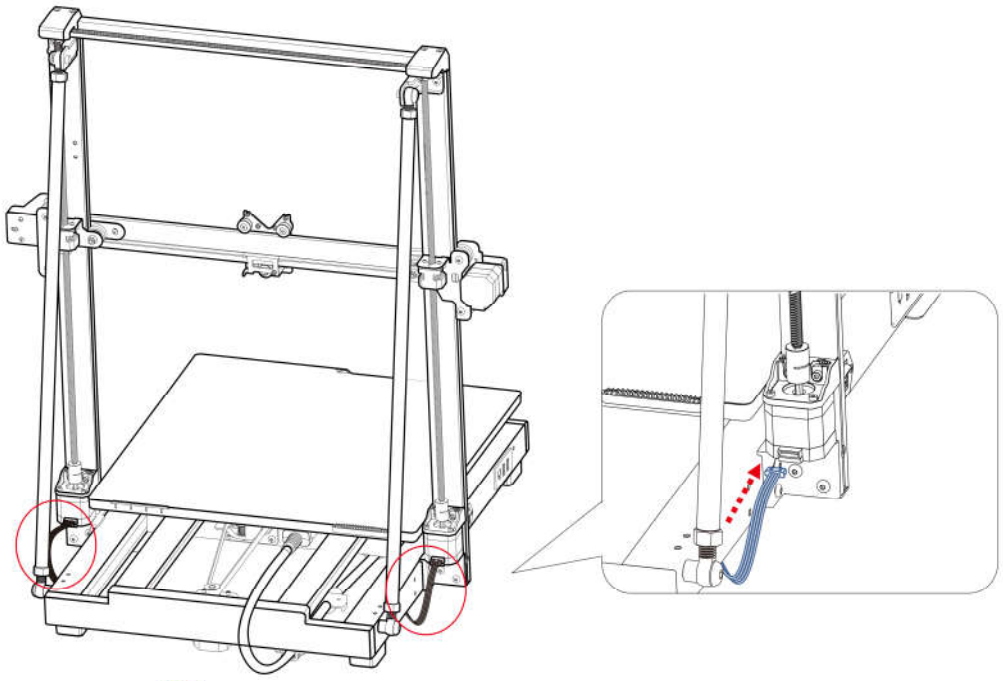






04 Connct the Z-axis Motor Cable

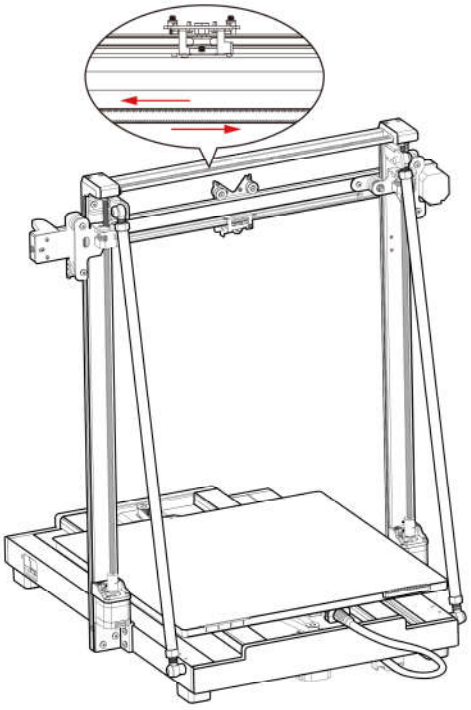
Connect the Z-axis motor cable on both sides of the printer as shown in the figure below.

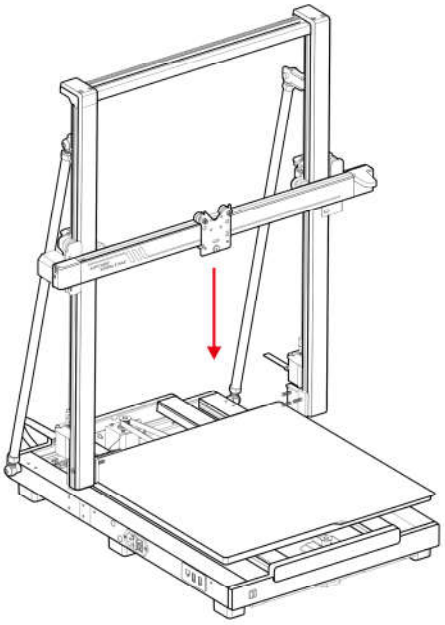


Back

05 Install Printhead Cable

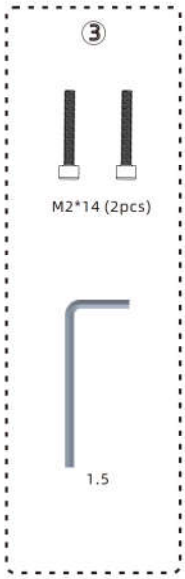
Pull the belt in the direction in the figure to lower the height of the Z-axis.

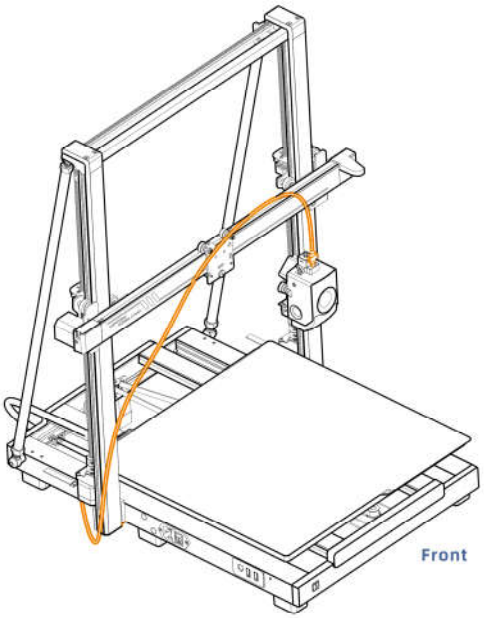


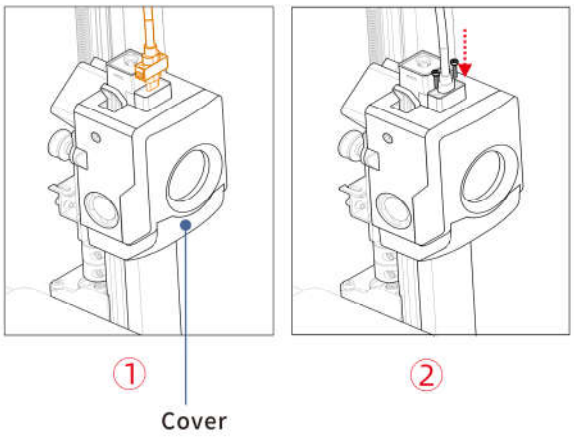


05 Install Printhead Cable

1. Press the printhead cable (orange Type-C long cable) down and insert it into the slot above the printhead.
2. Use No. 3 bag screw to secure the cable。





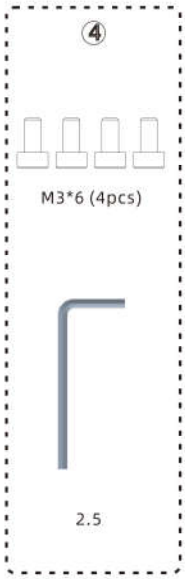


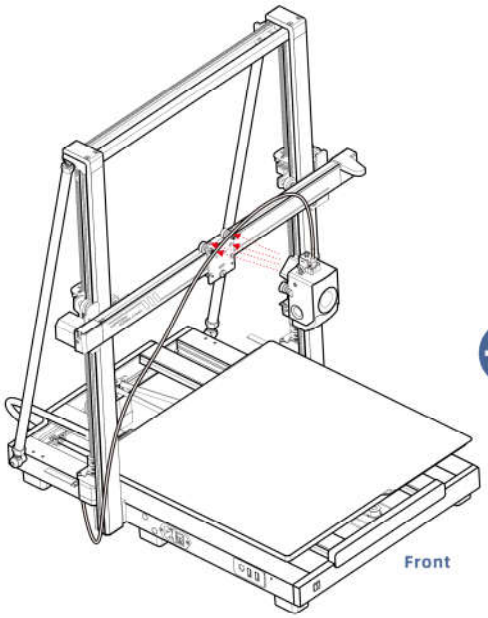
Note:
If the cover falls off during the installation process, you can wait until the printhead installation (Step 6) is completed before reattaching it.

06 Install Printhead

Install the printhead from the back of the printer. Use the No. 4 bag screws to secure the print head by turning it clockwise in the position shown in the figure.

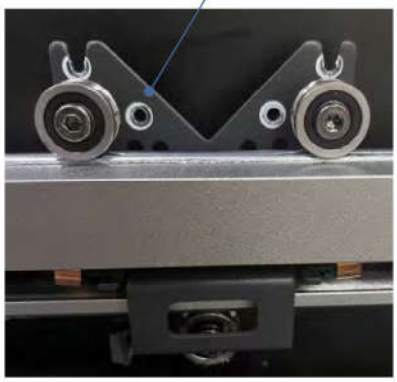
*It is recommended to first tighten the two screws at the top and then the screws at the bottom.





Front

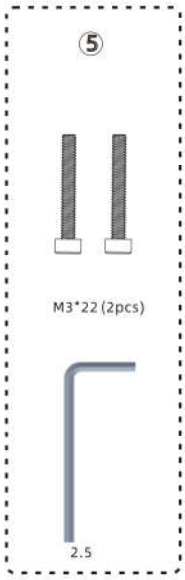
Note: Please install screws in the holes highlighted in white.

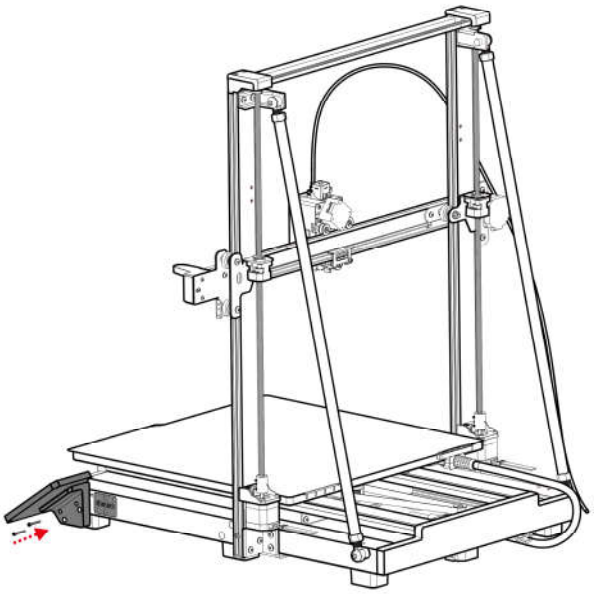


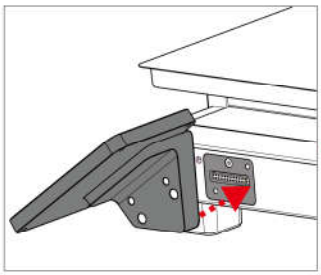
Back

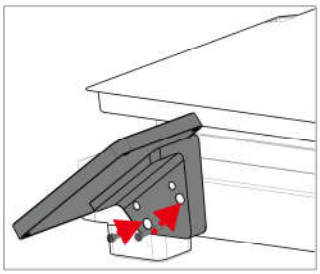
07 Install Screen

1. Insert the screen into the limit hole.
2. Use No. 5 bag screws to fix the screen as shown in the figure below.



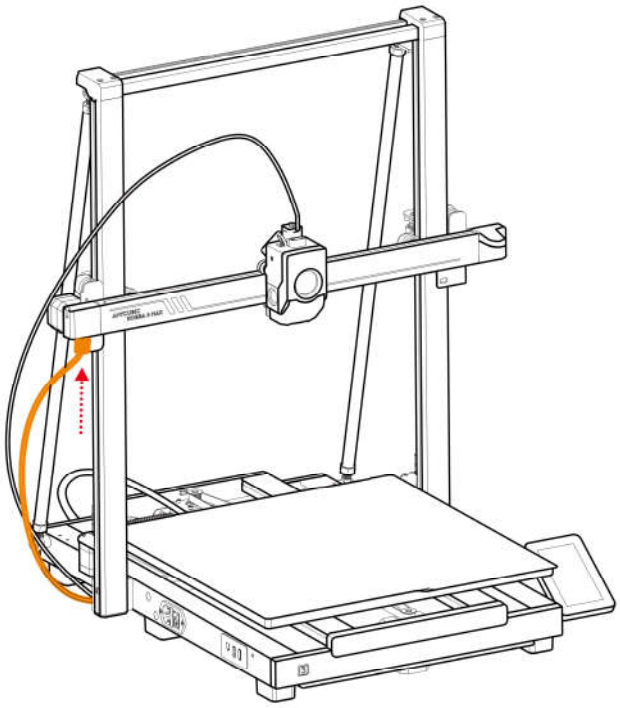


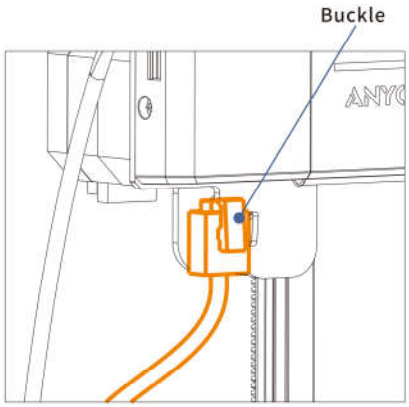




08 Connect the X-axis Motor Cable

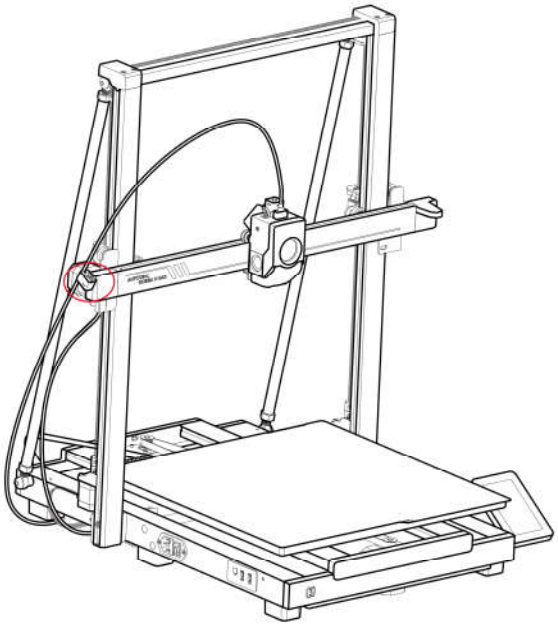
Insert the motor cable (Orange 6 Pin short cable) upward into the bottom groove on the left side of the X-axis to tighten it. Note that the cable buckle faces forward.

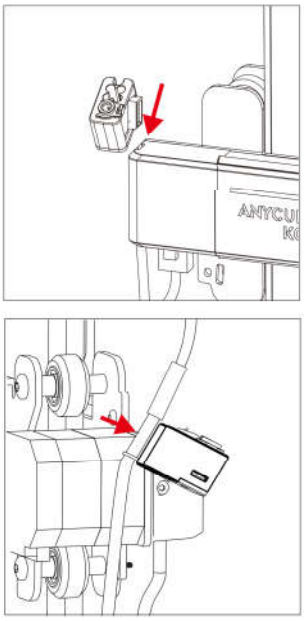




09 Install Cable Hoder

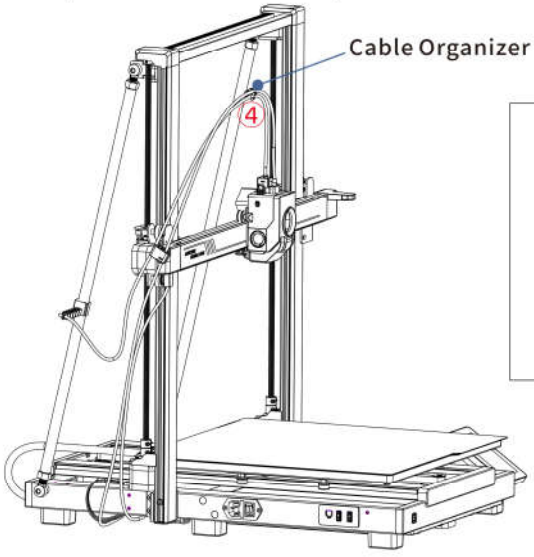
1.Press down the cable holder to secure it to the groove on the left side of the X-axis.
2.Insert the printhead cable into the cable holder.

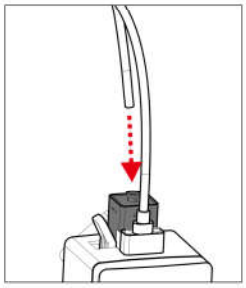


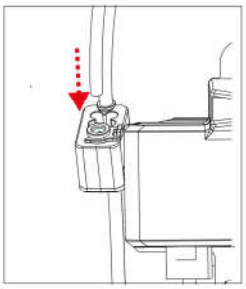


10 Install Filament Tube(skip this step if printing in multiple colors)

1. Insert one end of the filament tube into the hub above the printhead.
2. Guide the other end of filament tube into the cable holder.
3.Insert the retainer from the accessory box into the support rod, and after passing the filament tube through the cable holder, secure it into the retainer..
4. Snap the filament tube and printhead cable into the cable organizer.




①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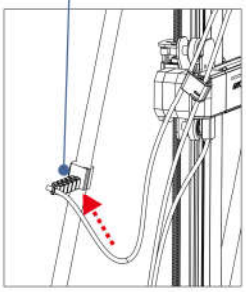
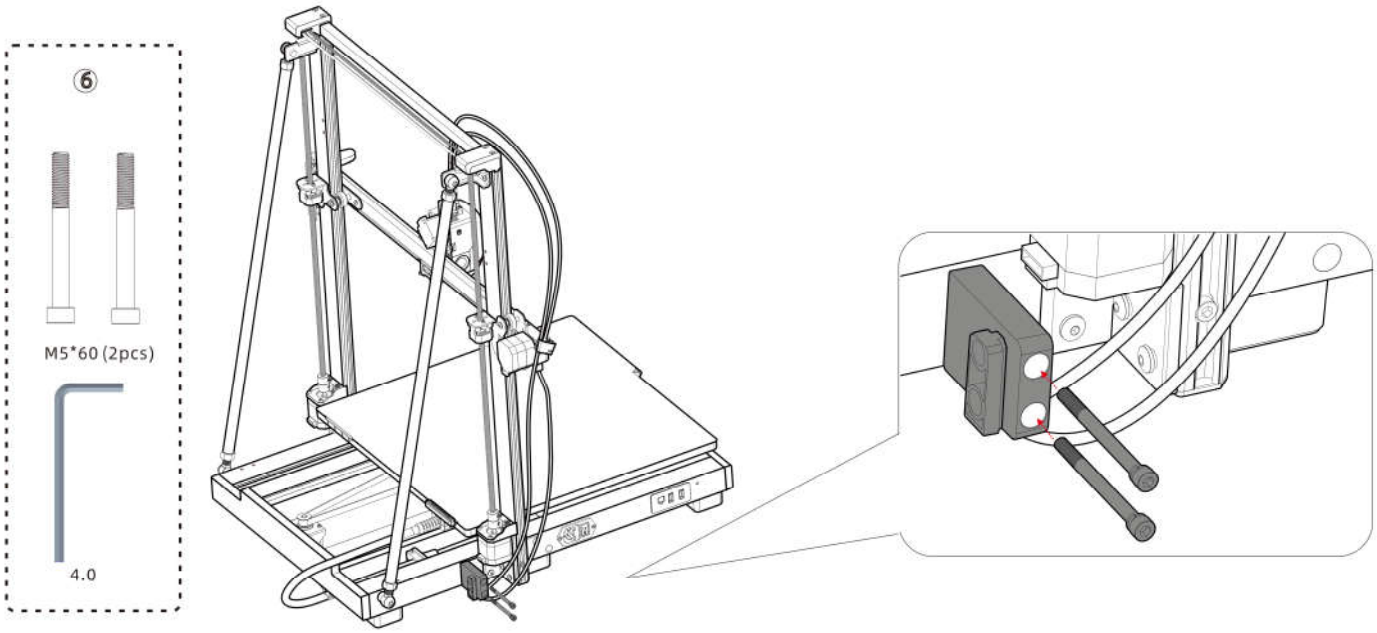


③

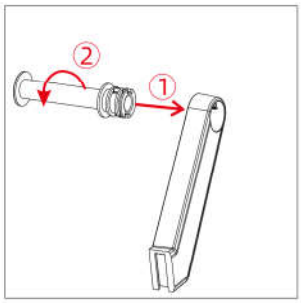
11 Install Spool Holder(skip this step if printing in multiple colors)

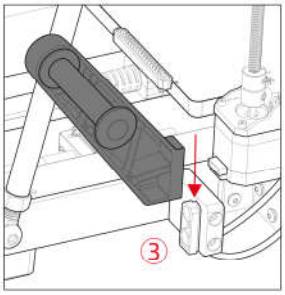
1.Secure the base of the spool holder using No. 6 bag screws

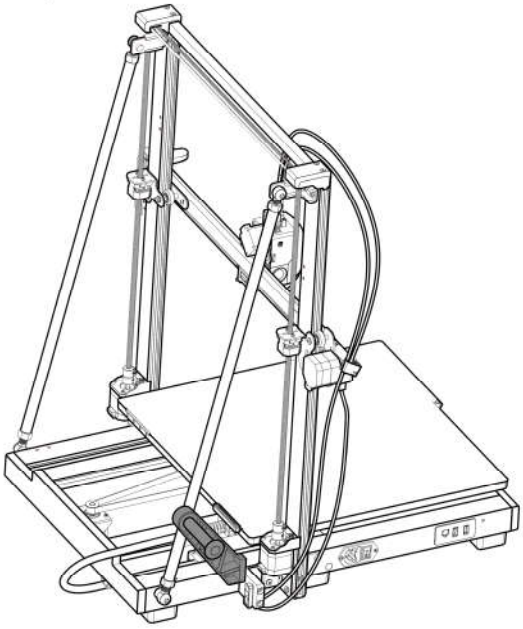


11 Install Spool Holder (skip this step if printing in multiple colors)

2. Put the cylindrical handle into the spool holder hole, and then rotate it at a certain angle to fix it.
3. Press the spool holder down and insert it into the groove behind the printer base.



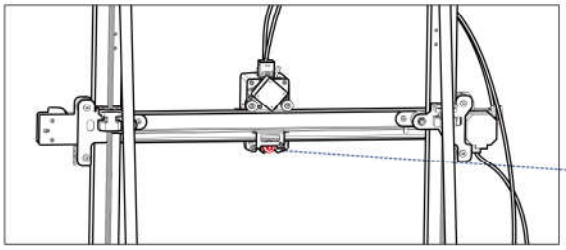




Check Before Use

1.Pulley elastic adjustment

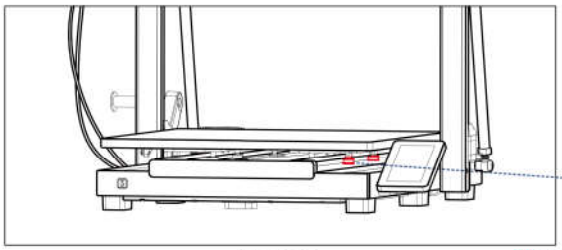
Check if the printhead is shaking. If it is, adjust the hexagonal isolation column located underneath the print head until it slides smoothly and without shaking.



Print head

Adjust the hexagonal spacer behind D-wheel

Check if the hot bed is shaking. If it is, adjust the hexagonal isolation column located underneath the hot bed until it slides smoothly and without shaking.



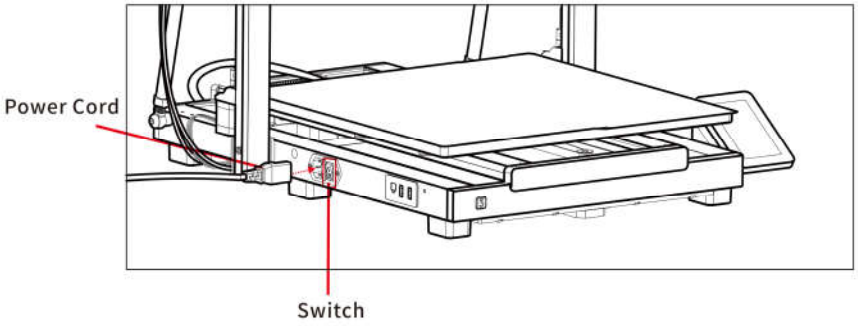
Platform

Adjust the hexagonal spacer on the Y axis

Similarly, the pulleys on both sides of the gantry frame can also be adjusted.

3.Connecting to Power

Connect the printer to power outlet with the power cable, then power the printer.



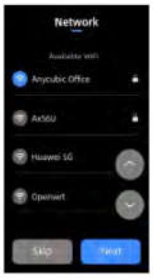
Note:
1.When inserting the power cord, please avoid crossing it with the print head cable to prevent interference.
2.Before turning on the power, please check the printer power level matches the local voltage .

Power-on Guide

① Language

② Area

③ Network



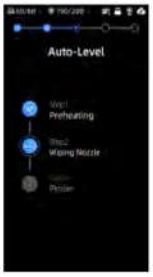
④ Cloud

⑤ Complete Setup

⑥ Insert U-Disk

⑦ Self Test

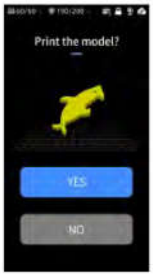
⑧ Auto-Level



⑨ Load Filament

⑩ Vibration Compensation

⑪ Print The Model

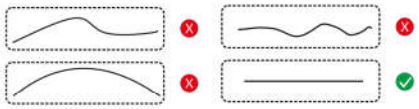


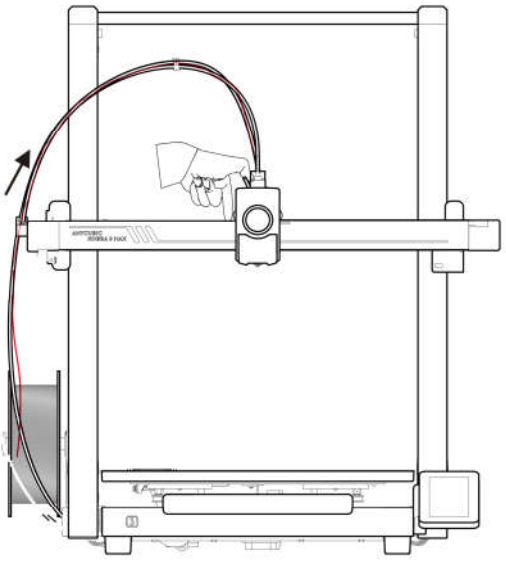
Note: The current interface is for reference only. Due to ongoing feature upgrades, please refer to the UI of the latest firmware release for accurate information.

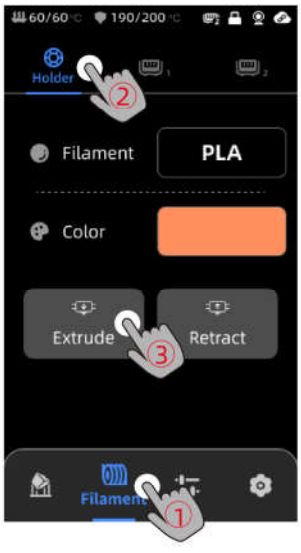
Loading Filament

1.Put the filament onto the spool holder .
2.Insert the filament into the extruder until you feel some resistance. While doing so, press and hold the button on top of the extruer.
3.Press “Filament” - “Holder” - “Extruder” and wait for the filament material to be extruded from the nozzle.

Note: Before inserting the filament into the filament inlet, make sure to straighten the end of the filament.

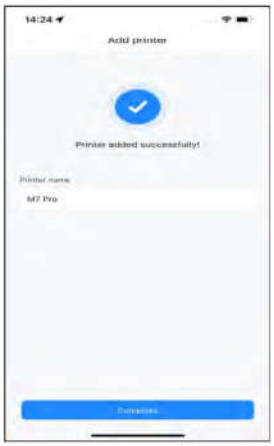






Printer Binding

1.Please connect the printer to the network first.
2.Scan the QR code on the printer screen, QR code path:【Settings】-【Cloud】, download the ANYCUBIC App, register and log in to the ANYCUBIC account.
3.Open ANYCUBIC App, click [+intiate printing], click [Scan],and scan the QR code on the printer screen to bind ANYCUBIC account.

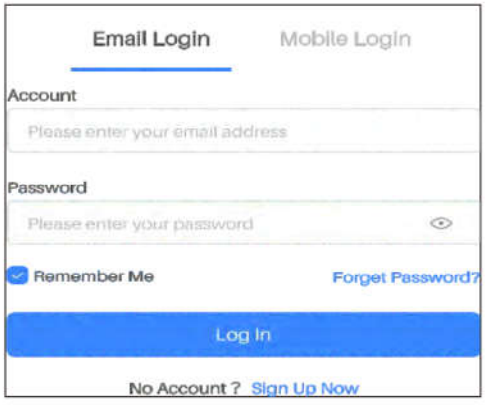


Software Installation and Binding

1.Software Installation Procedure
Open the attached USB drive and navigate into the path: \Files_English_Anycubic Kobra 3 Max \Anycubic Slicer,choose Windows /Mac to install the corresponding version,double-click on the Anycubic Slicer application to begin the installation .
2.Please connect the printer to the network before performing the following operations.
3.Anyubic Slicer Usage Instruction:
Open the attached USB drive and navigate into the path:\Files_English_Anycubic Kobra 3 Max \Anycubic Slicer \Anycubic Slicer_Usage Instructions

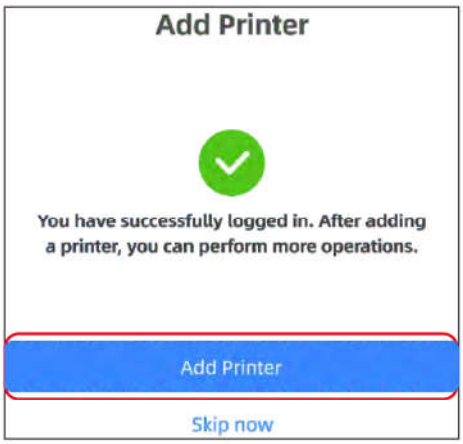
① After the software installation is completed, enter the main interface and click【Workbench】or【Log in to begin remote print】.

② If you already have an APP account, you can directly enter your account and password to log in. If not, click【Sign Up Now】.

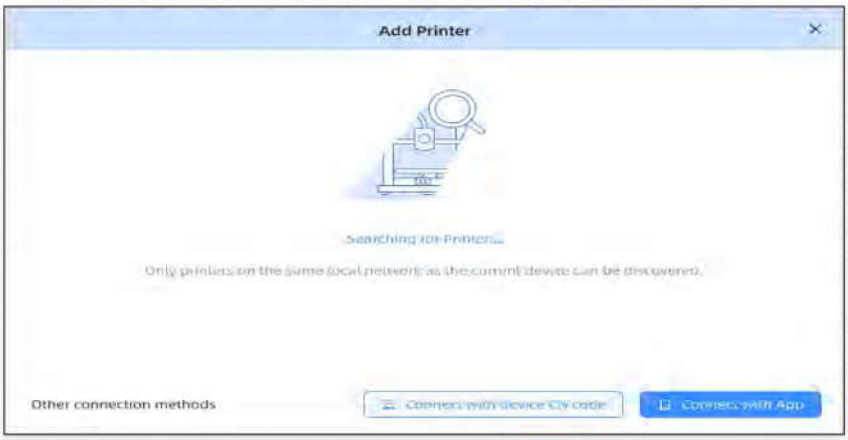


Software Installation and Binding

③ Click【Add Printer】.

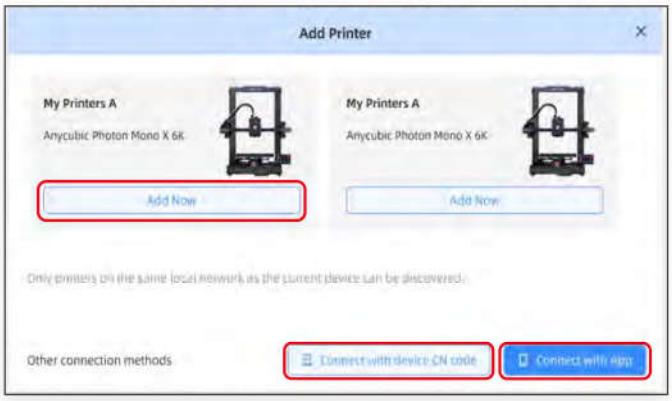


④ Automatically find printers on the same LAN as the current device. If the APP has been bound to the machine and logged in to the same account, the information will be automatically synchronized.

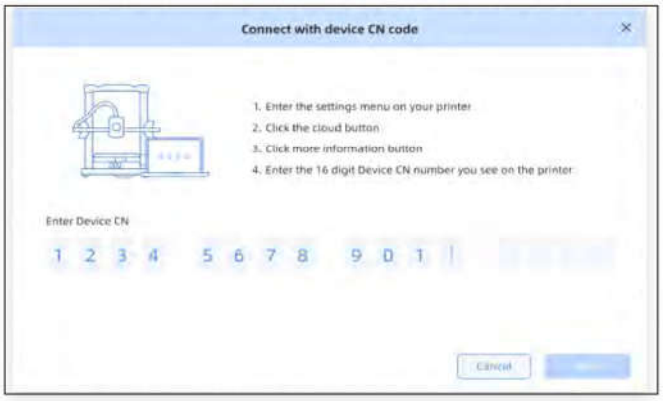


Software Installation and Binding

⑤ Select the machine that needs to be bound in the automatic search results and click【Add Now】.
Multiple printers can be connected; if the search is not successful, please click【Connect with device CN code】Or【connect with APP】.



⑥ If the search fails, enter the CN code of the device to connect.
Find the CN code path: Select【Settings-Cloud Platform -More Information】on the printer
You can view the CN code.

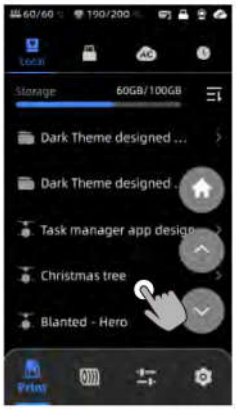


Note:
The software interface is subject to the latest version.

First Print

1) Select a model from the local or U-DISK and start printing.
*We recommend using one of the pre-loaded files as a first test print.

Makeronline QR Code: Models can be downloaded via Makeronline.



Select the model from local storage or U-DISK.

Press "Print".

Printing in progress

Note :
The built-in model is subject to reality.

Other Function Descriptions

Vibration Compensation: To achieve better printing results, it is recommended to perform a vibration compensation check after printing for more than 300 hours or when the machine has been moved. This feature helps reduce the occurrence of banding during high-speed printing. Regular vibration compensation checks help maintain the stability and accuracy of the printer, thereby improving print quality.

Press "Tools" - "Control" - “Vibration Compensation" and wait for the machine to complete the calibration. Please do not touch the machine during the calibration process.

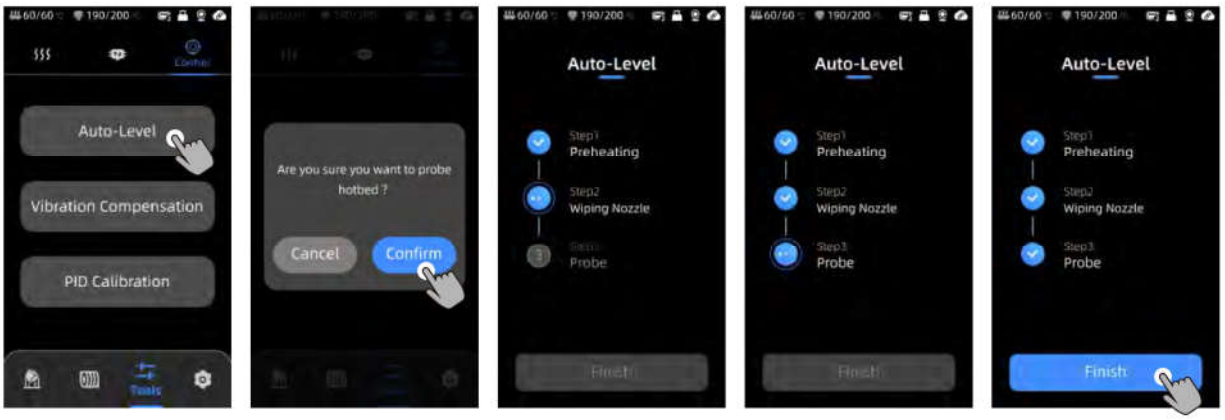
Filament Runout Detection: This function is designed to prevent printing failures when the filament runs out during the middle of a print. It alerts the user to replace the filament before continuing the print, effectively preventing wasted prints due to filament shortage.

Power Loss Resume:When printing using the filament holder, in the event of a sudden power outage or accidentally turning off the machine, this function does not require manual setup. Simply reconnect the power and turn on the machine You can then resume the print.

Note:
ACE pro currently does not have the function of power loss resume

Leveling

Press "Tools" - "Control" - "Auto Level". Wait for the machine to complete the leveling process.



Note:
Please check whether the PEI magnetic spring board is installed before leveling.

Maintenance Recommendation

Z-axis Lead Screws

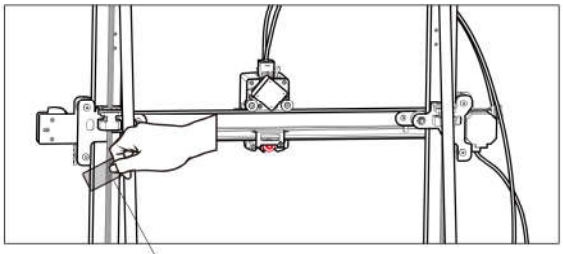
*The Z-axis lead screw needs regular lubrication, as proper lubrication ensures smooth movement. It is recommended to perform maintenance every three months.

Before applying lubricating grease to the Z-axis lead screws, it is important to clean them thoroughly, removing any dust or plastic particles. Then, using the axis movement controls, move the print head to a higher position. Apply a thin coat of lubricating grease on the Z-axis lead screws, and then home the printer again. You can repeat this movement process a few times to ensure the grease is evenly distributed over the Z-axis lead screws. Once completed, clean off any excess lubricating grease that may have accumulated near the leadscrew nuts.

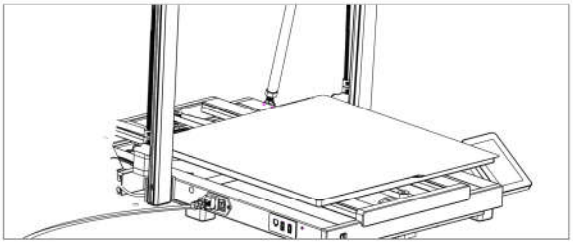
X/Y-axis double metal spindles

*The X/Y-axis double metal spindles require regular lubrication, as proper lubrication ensures smooth movement. It is recommended to perform maintenance once a month.

Before applying lubricating grease to the X/Y-axis double metal spindles, it is important to clean them thoroughly, removing any dust or plastic particles. Then, apply a thin coat of lubricating grease on the X/Y-axis double metal spindles and home the printer. You can repeat the movement process a few times to ensure the grease is evenly spread over the X/Y-axis double metal spindles.



Z-axis Lead Screws

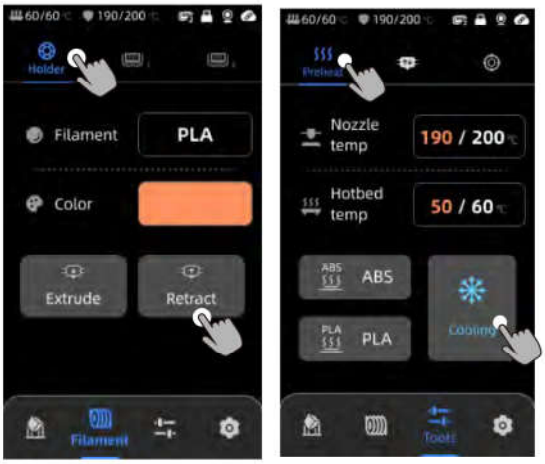


X/Y-axis Double Metal Spindles

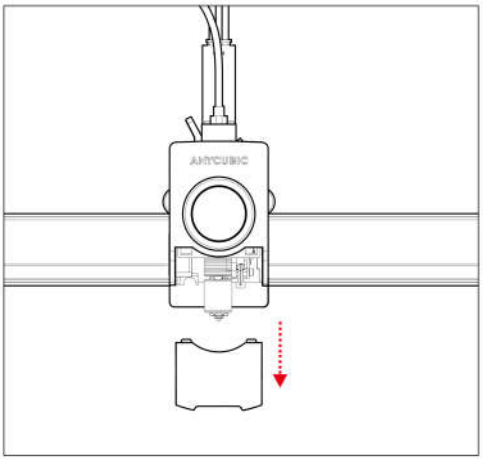
*Please scan the QR code for more maintenance information.

Maintenance Recommendation

Hotend Replacement



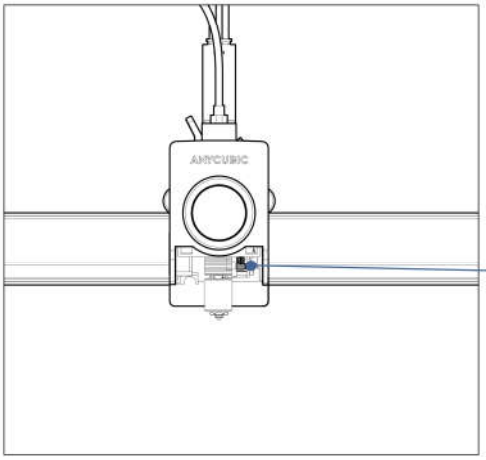
1.Click [Holder]- [Retract] to retract the filament.
2.Click [Tools] -[Preheat]- [Cooling]" to cool down the hotend.



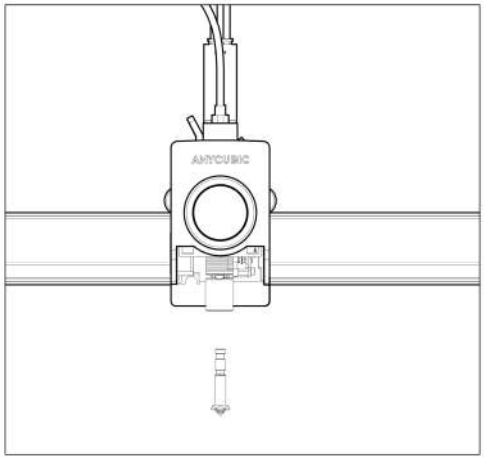
2.Remove the cover.

Maintenance Recommendation

Hotend Replacement



3.Pull the lever upwards.



4.Remove the hotend and replace it,and press down on the lever to secure the new hotend.

Attention

1. Anycubic 3D printer generates high temperature. DO NOT reach inside of the printer during operation. Contact with extruded materials may cause burns.
2. Use high temperature resistant gloves when operating the product.
3. This equipment is not suitable for use in locations where children are likely to be present.
4. The fuse rating for the printer is 250V 10A. Never replace the fuse with one of a higher amperage, otherwise it may cause fire.
5. The socket-outlet shall be easily accessible.

If the above problems cannot be solved, please initiate consultation in our after-sales service system, and our engineers will reply you in the form of email within one working day.
(https://support.anycubic.com/)

Warm tips:
1. Fill in the information based on the SN of the corresponding model. The items with red dots are mandatory.
2. If the order is successful, you will soon receive a reply from the after-sales service system in your mailbox.
3. If you successfully place an order but do not receive an email, please watch out for spam.
4. If the order creation fails, please pay attention to the pop-up reminder on the web page.

EC REP

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FC CE RoHS

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FCC ID: 2AXYK-K3MAX

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