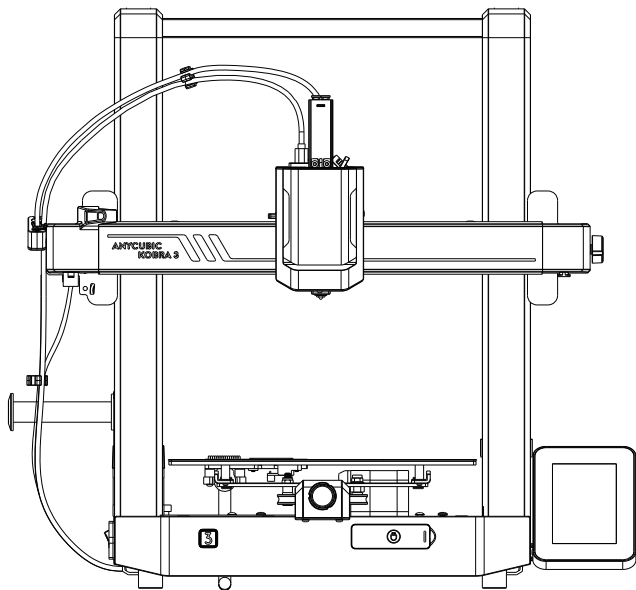




Anycubic Kobra 3

User Manual



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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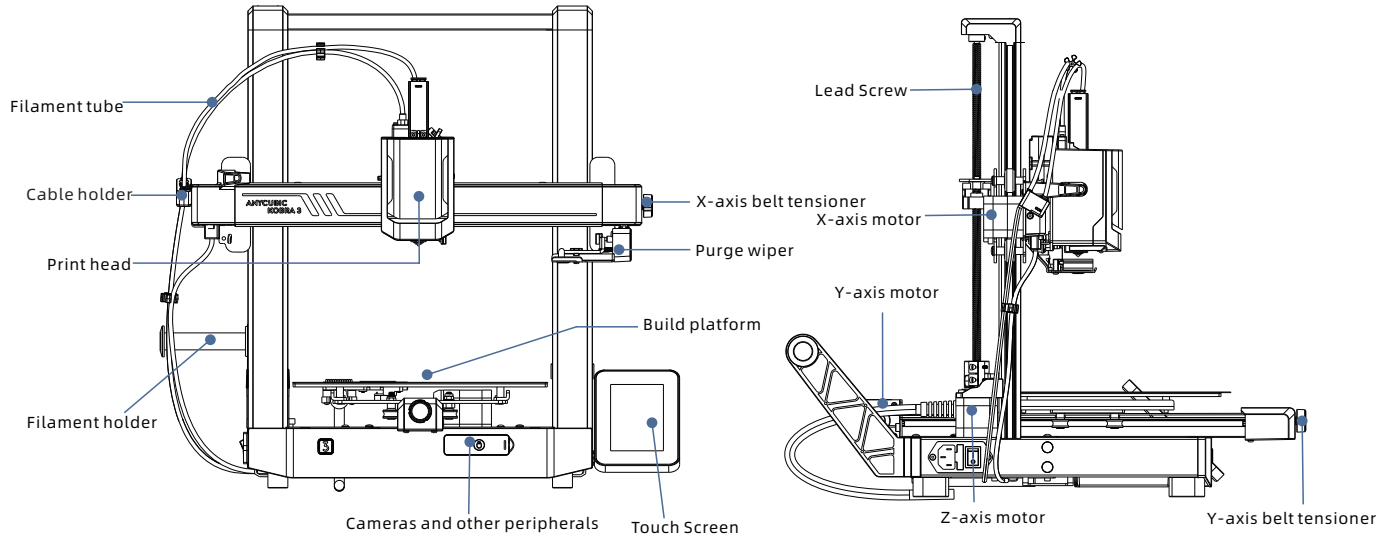
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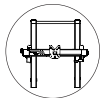
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Product Overview



Packing List

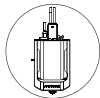
The following pictures are for reference only. Please refer to the actual object.



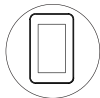
Printer Frame



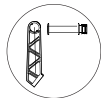
Base Housing



Print head



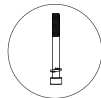
Touch Screen



Filament holder



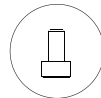
Filament tube Holder



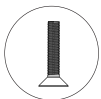
Bag NO.1
M5*45 (4pcs)



Bag NO.2
M2*14 (2pcs)



Bag NO.3
M3*6 (4pcs)



Bag NO.4
M4*16(2pcs)



Bag NO.5
M3*10(1pcs)
M3*8 (1pcs)



U-DISK
(1pcs)



Power cord
(1pcs)



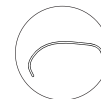
Cable organizer
(3pcs)



Wrench
(1 set)



4.0/3.0/2.5/2.0/1.5



Filament tube
(1pcs)



Nozzle Cleaner



Filament



Grease

Technical Specification

Printing

Technology:FDM (Fused Deposition Modeling)

Build Size:250 mm (L) × 250 mm (W) × 250mm (H)

Layer Thickness:0.05 - 0.3 mm

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

Temperature

Ambient Operating Temperature:8 °C - 40 °C

Operational Extruder Temperature:Max 300 °C

Operational Print Bed Temperature :Max 110 °C

Software

Slicing Software:AnycubicGlicer/PrusaSlicer/Cura

Software Input Formats: .STL/.OBJ

Software Output Formats:GCode

Connectivity:U-DISK,AC Cloud

Electrical

Power Input:110 V / 220 V AC, 50 / 60 Hz

Rated Power:400 W

Physical Dimensions

Printer Dimensions:452.9mm (L) × 504.7mm (W) × 483 mm (H)

Biggest Printer Dimensions:525.8mm (L) × 521mm (W) × 483 mm (H)

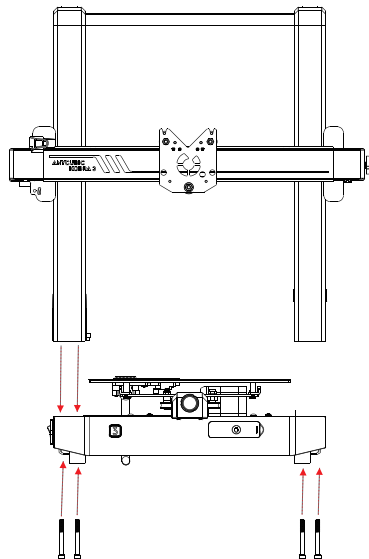
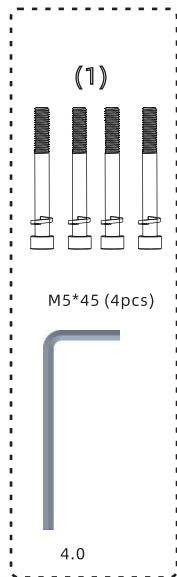
Net Weight: ~9.2kg

Machine Installation

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

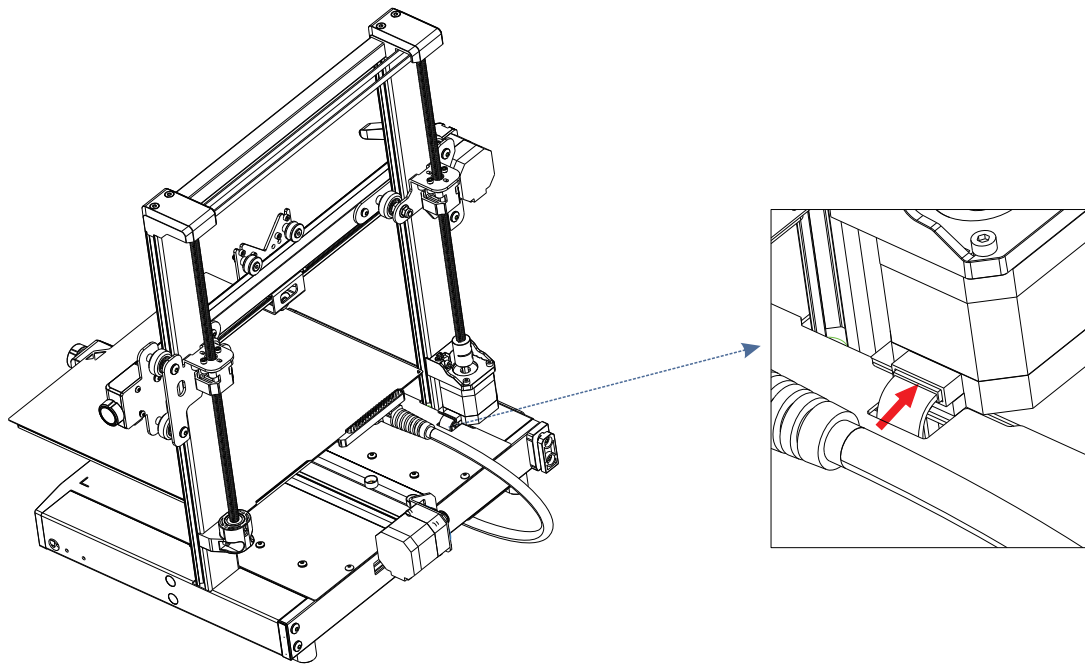
01 Install frame

Fix the printer base housing and frame from the bottom with No. 1 bag screws.



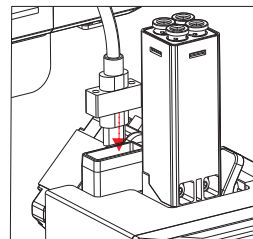
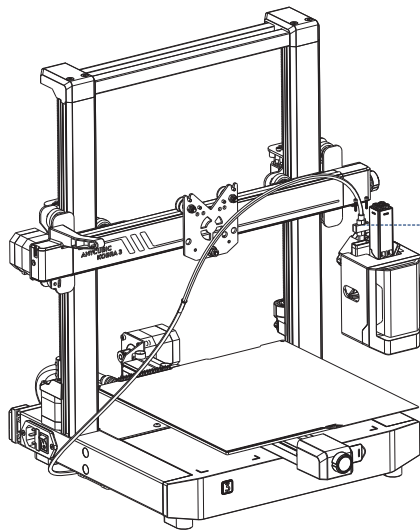
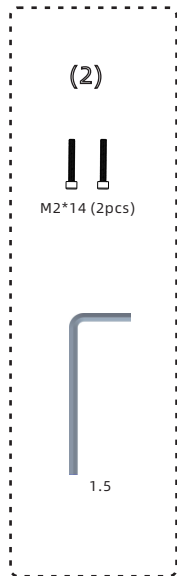
01 Install frame

Insert the Z-axis motor wire into the hole from the back of the printer and secure it.

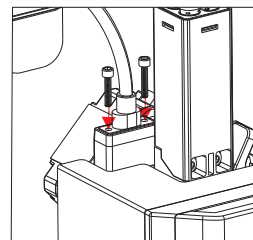


02 Connect print head cable

1. Press the print head connection cable down and insert it into the groove above the print head.
2. Use the No. 2 bag screw to secure the cable.



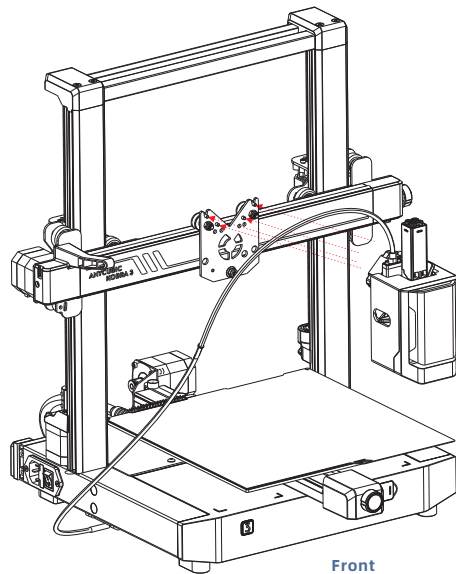
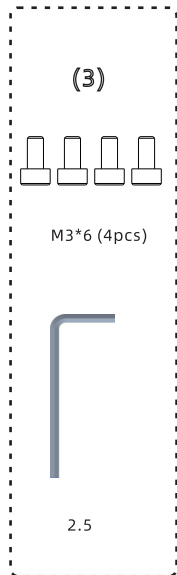
①



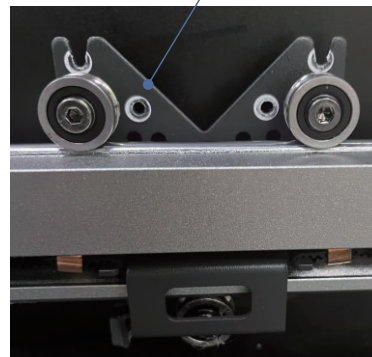
②

03 Install print head

Install the print head from the back of the printer. Use the No. 3 bag screws to secure the print head by turning it clockwise in the position shown in the figure.



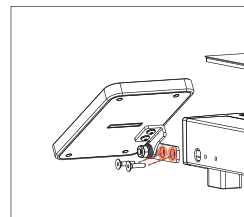
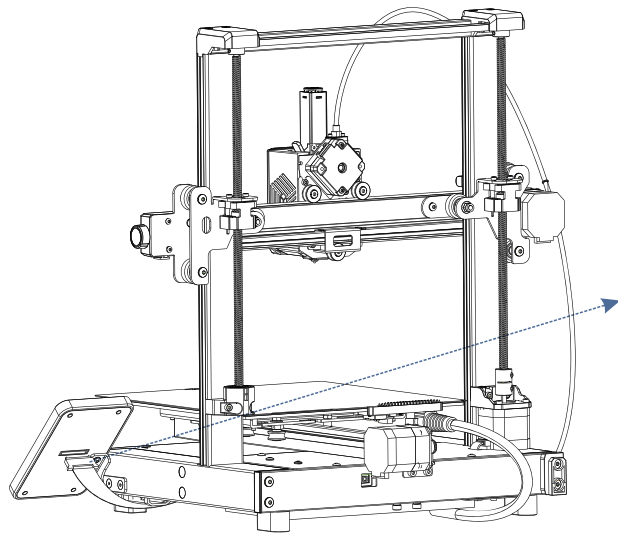
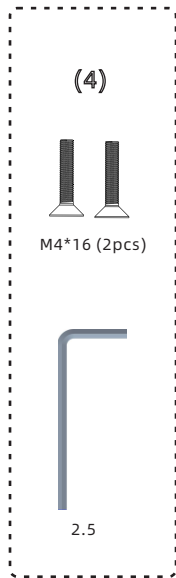
Note: Please fix the screws at the four white mark positions



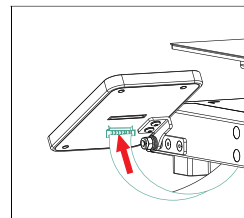
Back

04 Install screen

1. Use No. 4 bag screws to install the screen.
2. Plug the FPC cable into the port behind the screen by pressing the terminal.



①



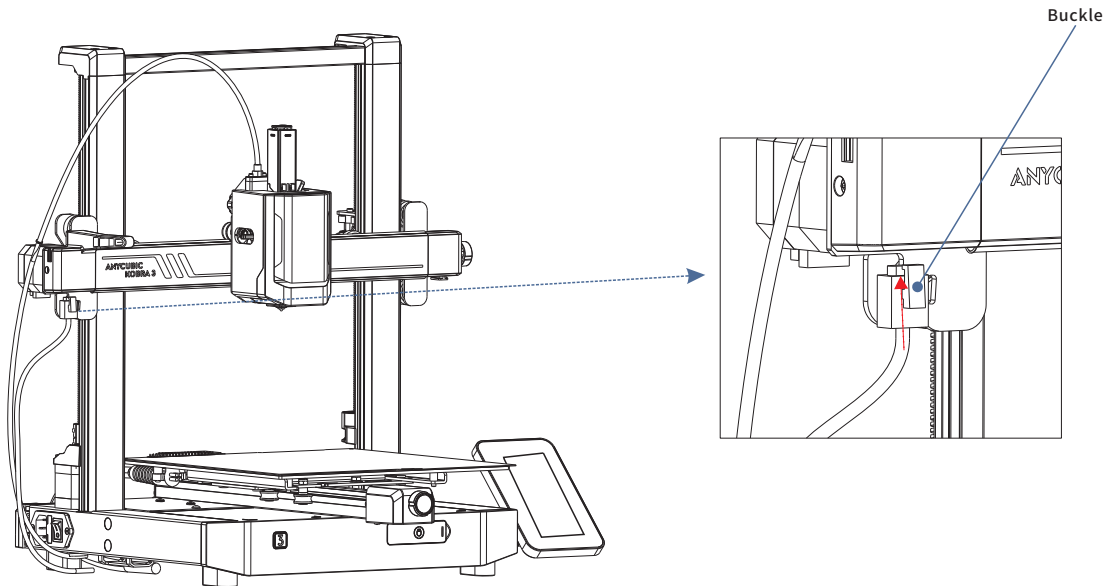
②



Note: When installing the FPC, please make sure this side is facing up.

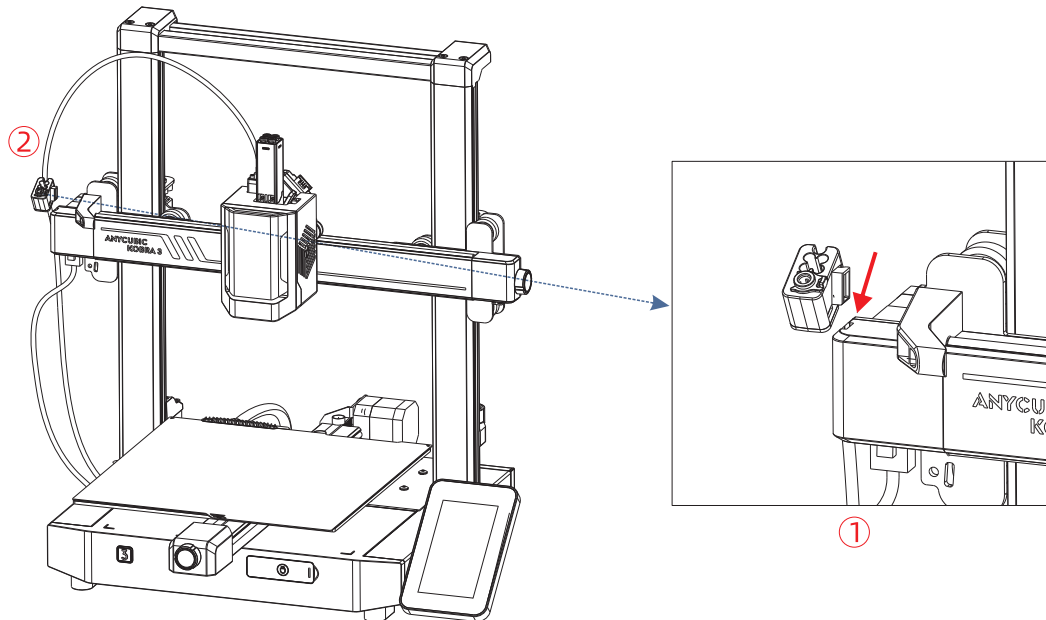
05 Connect the X-axis motor cable

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



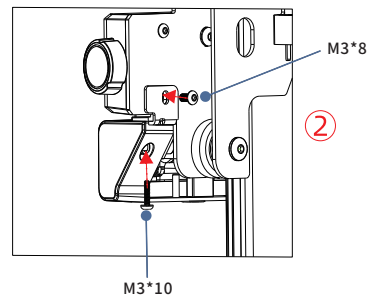
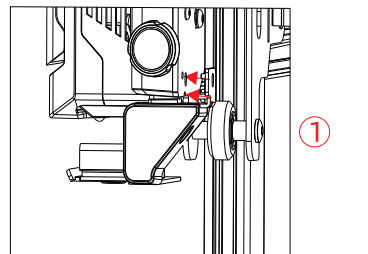
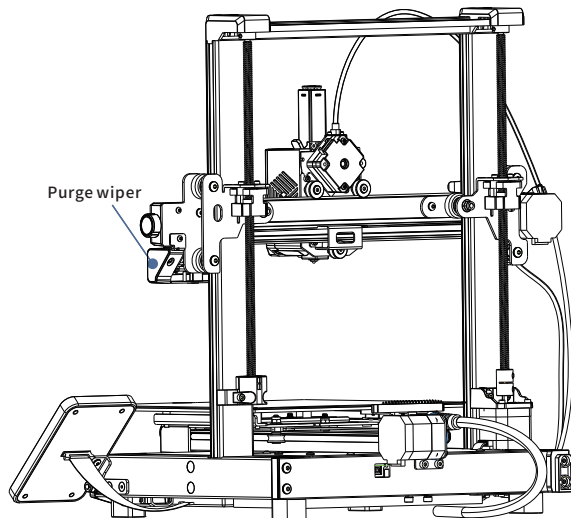
06 Install cable holder

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



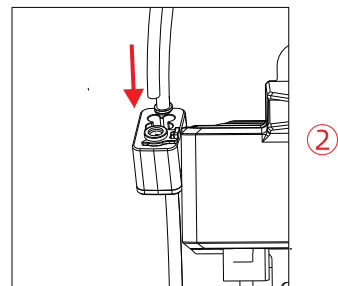
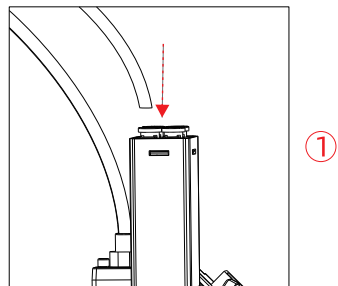
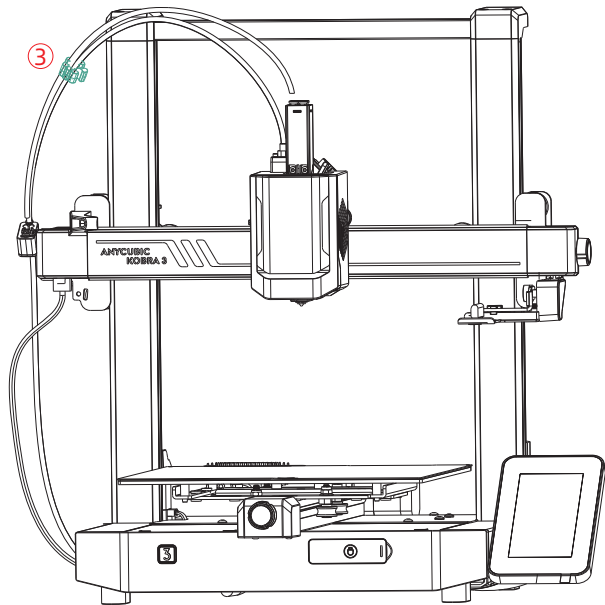
07 Install Purge wiper

- 1.Snap the purge wiper into the groove on the rear side of the X-axis.
- 2.Use the No. 5 bag screw to secure the Purge wiper from the back and bottom of the X-axis.



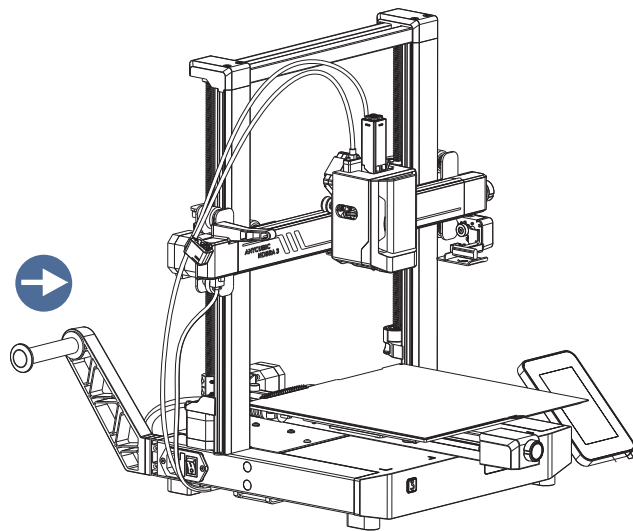
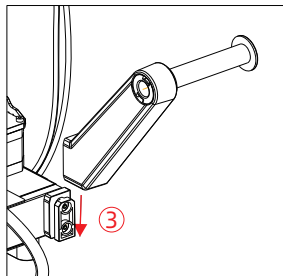
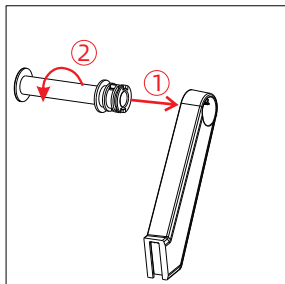
08 Install Filament tube

1. Insert one end of the filament tube into the hole above the print head and the other end into the cable holder.
2. Snap the filament tube and print head cable into the cable organizer.



09 Install Spool holder

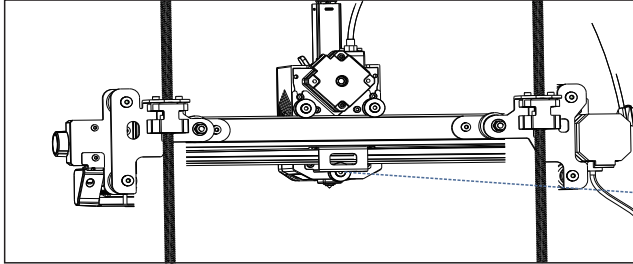
1. Put the cylindrical handle into the spool holder hole, and then rotate it at a certain angle to fix it.
2. Press the spool holder down and insert it into the groove behind the printer base.



Check Before Use

1. Pulley elastic adjustment

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

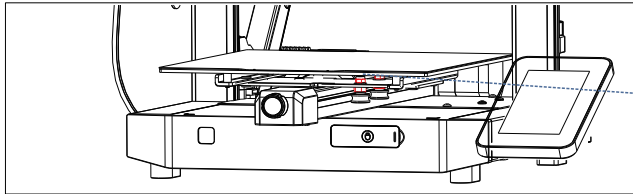


Print head



Adjust the hexagonal eccentric pad behind the bearing wheel

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



Platform

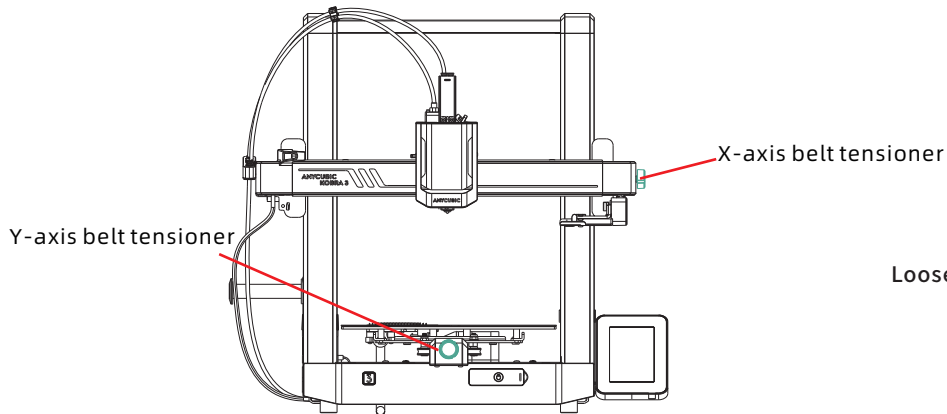
Adjust the red hexagonal eccentric pads on both sides of the Y-axis

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



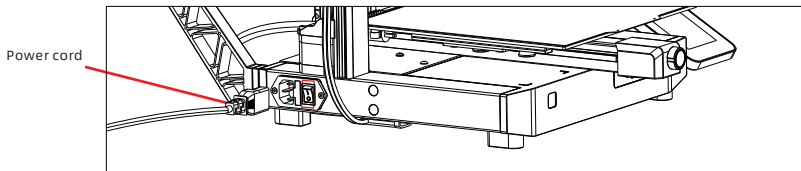
2. Belts

Please manually move the print head and print platform. If there is any difficulty or abnormal noise during the movement, adjust the tensioner to ensure smooth sliding of the print head or platform.



3. Connecting to Power

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

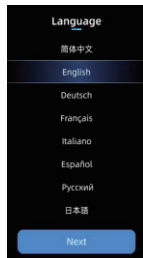


Note: When inserting the power cord, please avoid crossing it with the print head cable to prevent interference.

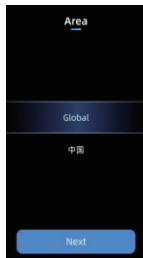


Power-on guide

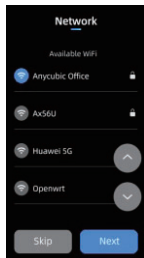
① Language



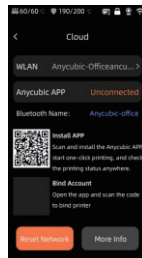
② Area



③ Network



④ Cloud



⑤ Complete setup



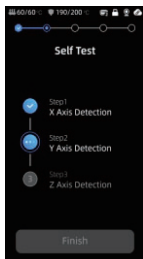
⑥ Start Operation Guide



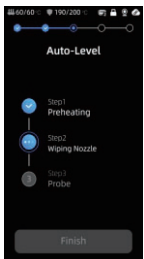
⑦ Insert U-Disk



⑧ Self Test



⑨ Auto-Level



⑩ Load Filament



⑪ Vibration compensation ⑫ Print The Model

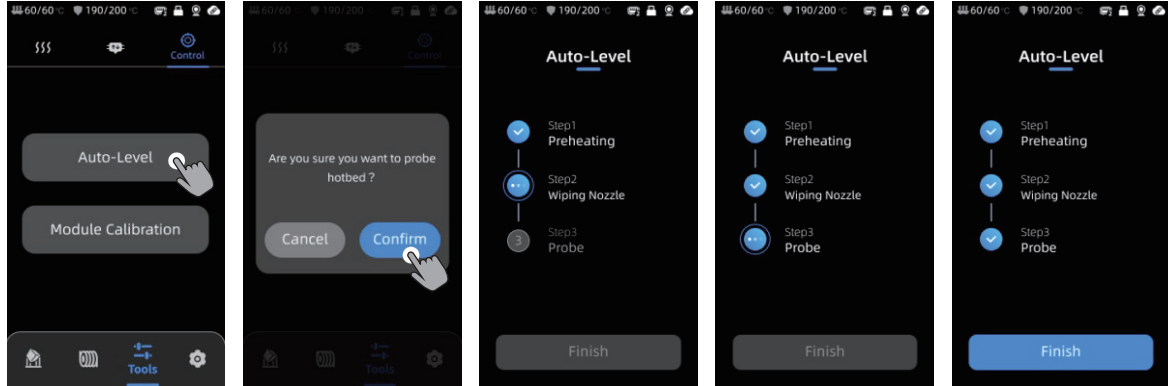


Note: The current interface is for reference only. Due to ongoing feature upgrades, please refer to the UI of the latest firmware release for accurate information.



Leveling

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



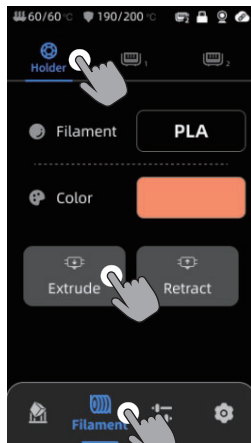
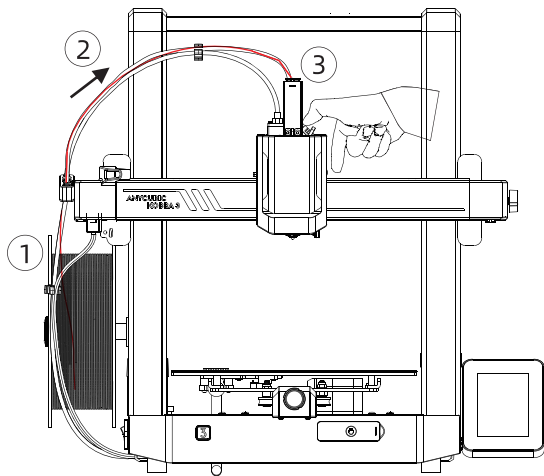
Note:

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

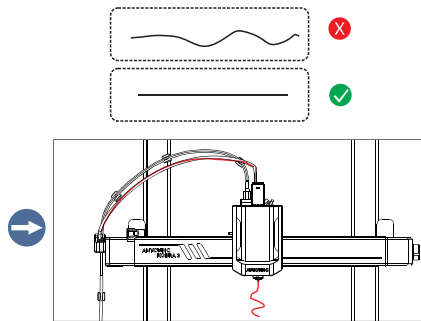


Loading Filament

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 extruder.
3. Press "Filament" - "Holder" - "Extrude" and wait for the filament material to be extruded from the nozzle.



4



Note:
Before inserting the filament into the extruder, 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 right, download the ANYCUBIC App, register and log in to the ANYCUBIC account.
3. Open ANYCUBIC App, click "+initiate printing", click "Scan" to scan the printer QR code on the screen (QR code path: Settings-Cloud) and bind ANYCUBIC account.



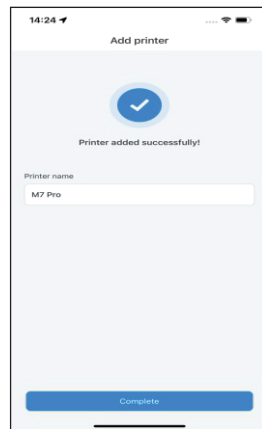
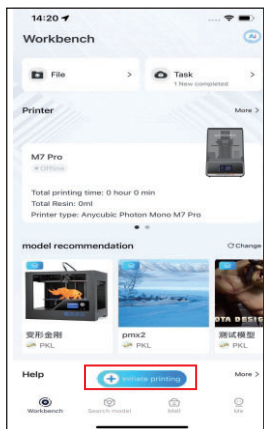
Install APP

Scan and install the Anycubic APP, start one-click printing, and check the printing status anywhere.



Bind Account

Open the app and scan the code to bind printer



Software Installation and binding

1. Software installation procedure

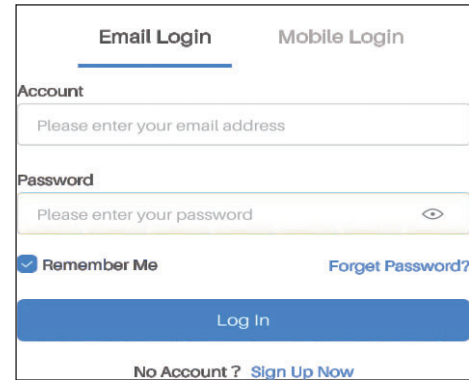
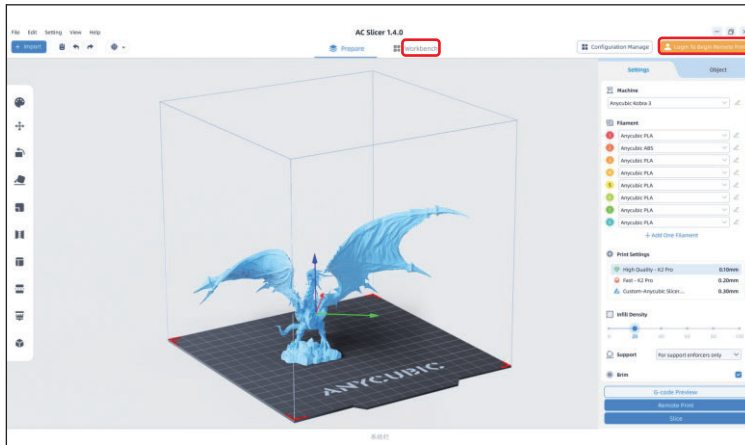
Open the attached USB Drive and navigate into the path: \Files_English_Ancubic Kobra 3\Ancubic Slicer, choose Windows or Mac to install the corresponding version, double-click on the Ancubic Slicer application to begin the installation process.

2. Please connect the printer to the network before performing the following operations.

3. Ancubic Slicer usage instruction:

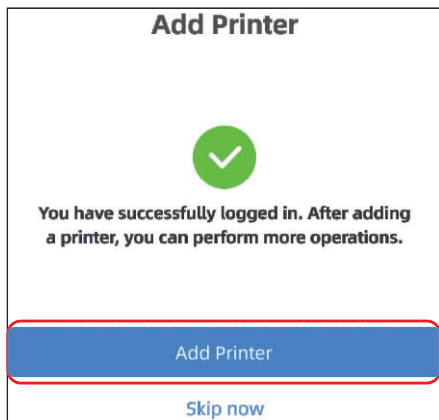
Open the attached USB Drive and navigate into the path: \Files_English_Ancubic Kobra 3\Ancubic Slicer \Ancubic Slicer_Usage Instructions

- ① After the software installation is completed, enter the main interface and click **[Workbench]** or **[Log in to begin remote prin]**
- 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]**.

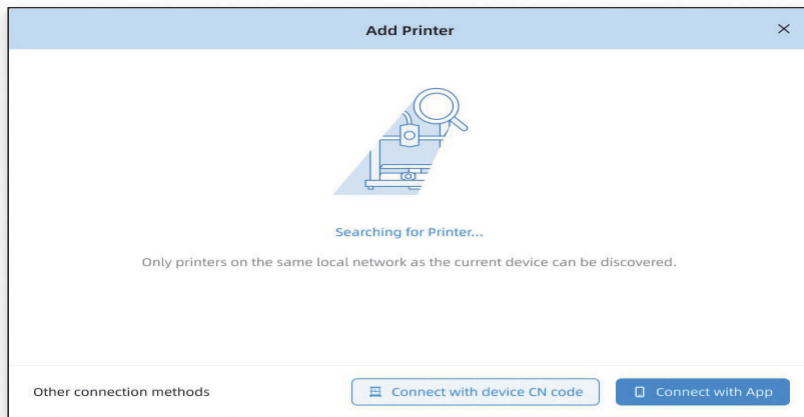


Software Installation and binding

③ Click [Add Printer]

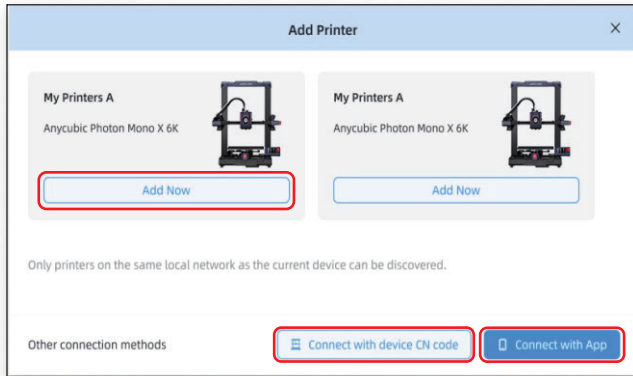


④ Automatically find printers on the same LAN as the current device

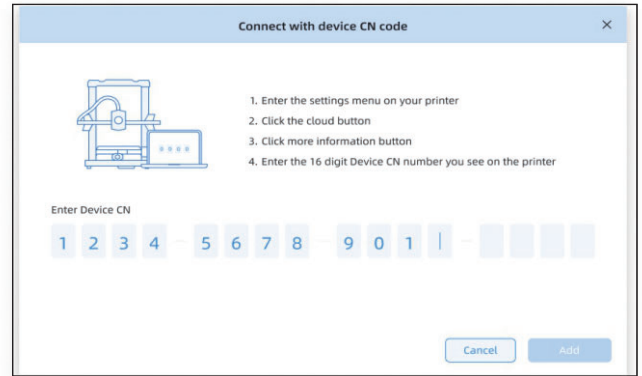


Software Installation and binding

- 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]**



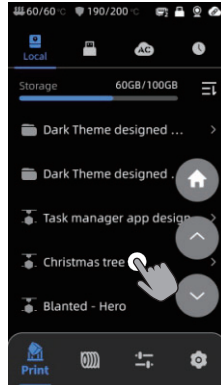
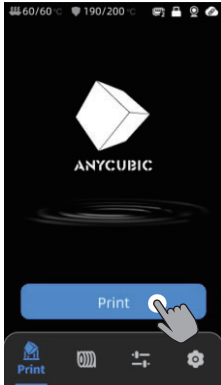
- ⑥ If the search fails, enter the CN code of the device to connect.
Find the CN code path: Select **[Settings-Cloud Platform -More Information]** on the printer
You can view the CN code



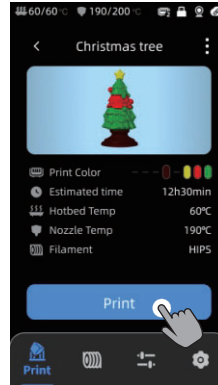
First print

1) Select a model from the local or U-DISK and start printing.

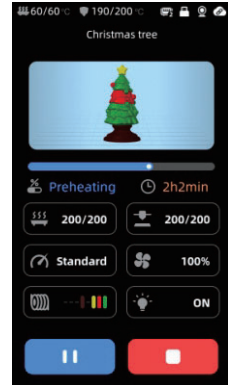
*We recommend using one of the pre-loaded files as a first test print.



Select the model from local storage or U-DISK.



Press "Print".



Printing in progress

Note :

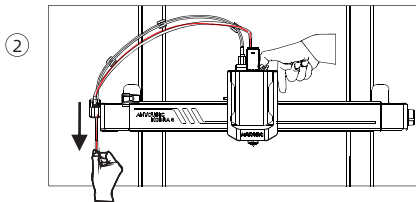
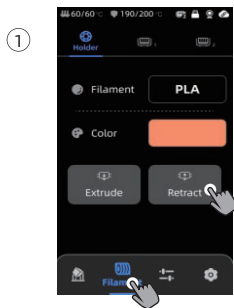
The built-in model is subject to reality ⚠️

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.

Retraction Instructions: Press ""Filament" - "Retract" and wait for the filament material to retract, or manually pull out the filament directly by pressing the button above the extruder.



Maintenance Recommendation

Z-axis Lead Screws

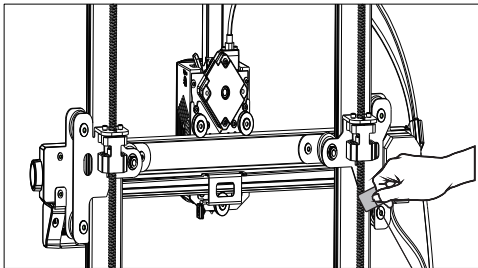
*The Z-axis lead screw needs regular lubrication, as proper lubrication ensures smooth movement. It is recommended to perform maintenance every three months.

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

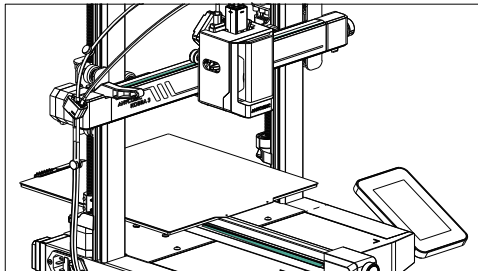
*The X/Y-axis double metal spindles require regular lubrication, as proper lubrication ensures smooth movement. It is recommended to perform maintenance once a month.

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

Grease



X/Y-axis double metal spindles



*Please scan the QR code for more maintenance information.

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.



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M02030323

FCC Caution:

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.

Any 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.