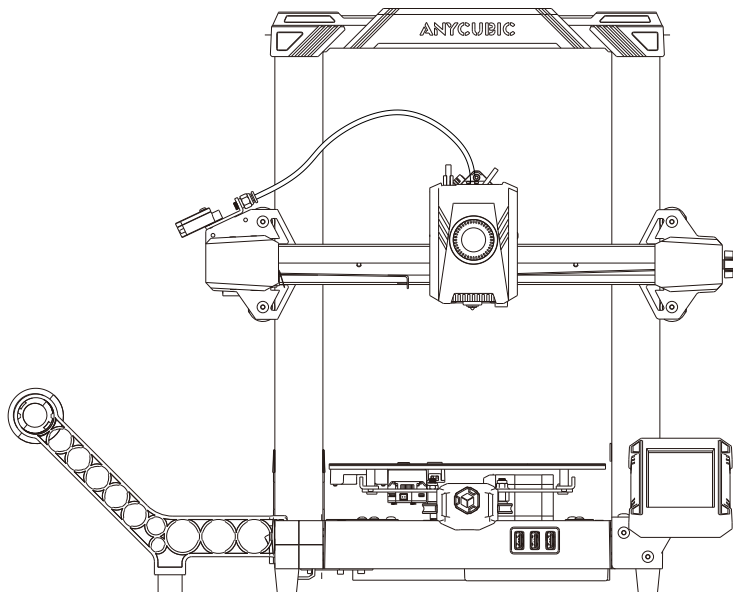




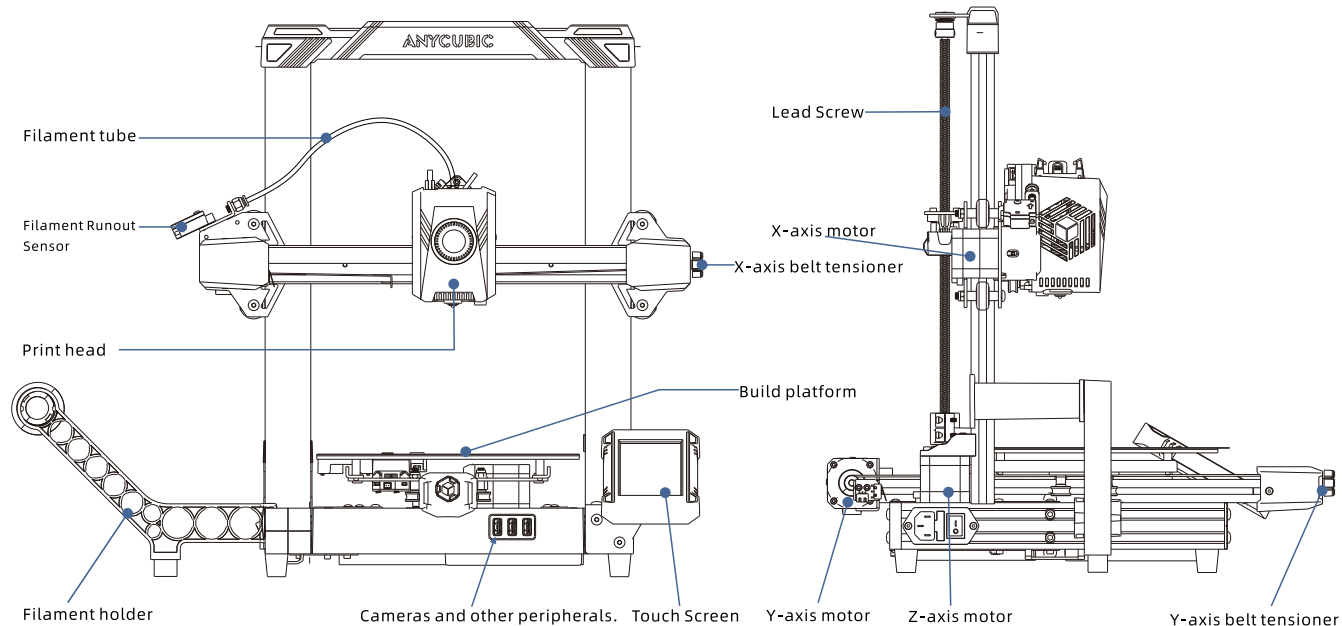
Anycubic Kobra 2 Pro

User Manual



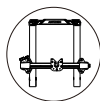
The product picture is for reference only. Please refer to the actual product.

Product Overview

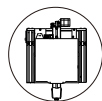


Packing List

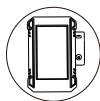
The following pictures are for reference only. Please refer to the actual object.



1



2



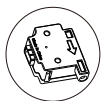
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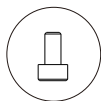
4



5



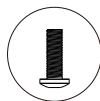
6



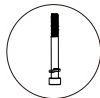
M3*6
(4pcs)



M5*6
(2pcs)



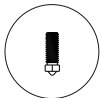
M5*14
(1pcs)



M5*45
(4pcs)



U-DISK
(1pcs)



Spare nozzle
(1pcs)



Power cord
(1pcs)



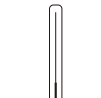
Cable fixing clip
(3pcs)



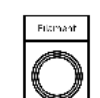
Wrench
(1 set)



4.0/3.0/2.5/2.0/1.5



Nozzle Cleaner



Filament



Grease

Technical Specification

Printing

Technology:FDM (Fused Deposition Modeling)

Build Size:220 mm (L) × 220 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℃ - 40℃

Operational Extruder Temperature:Max 260℃

Operational Print Bed Temperature :Max 110℃

Software

Slicing Software:AnycubicSlicer/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

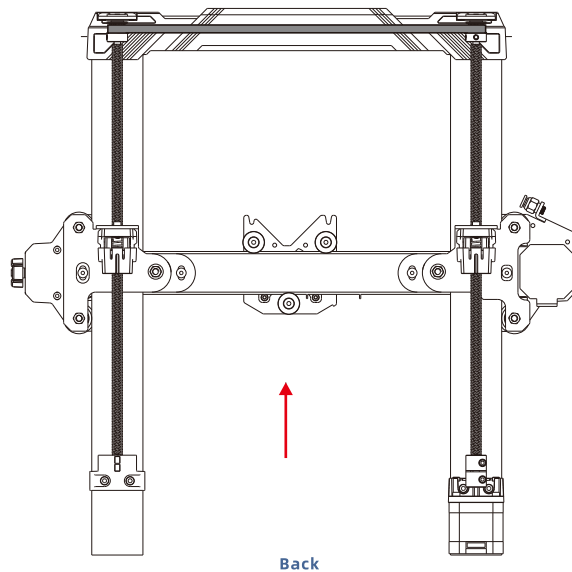
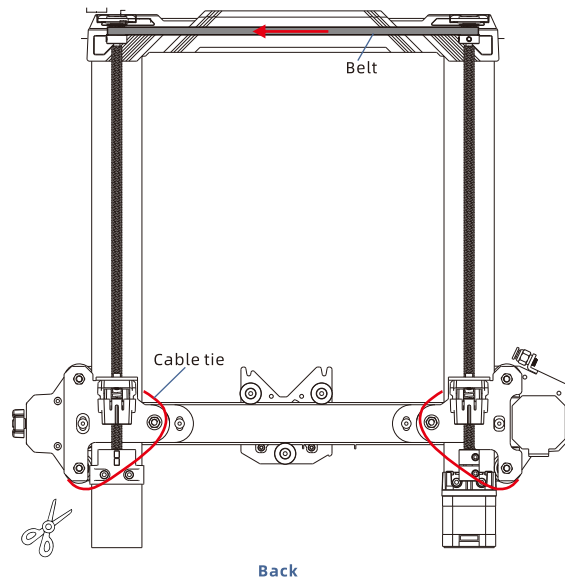
Printer Dimensions:463mm (L) × 435 mm (W) × 486 mm (H)

Net Weight:~8.4 kg

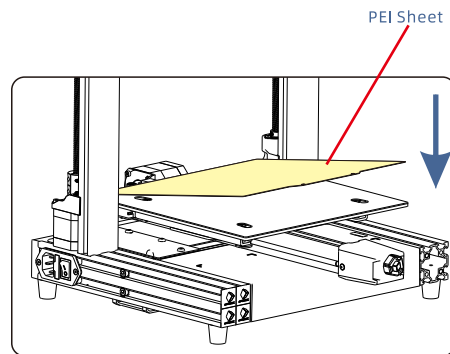
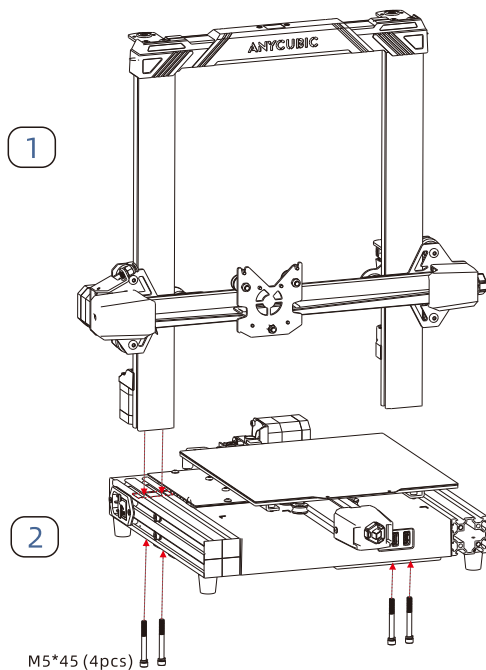
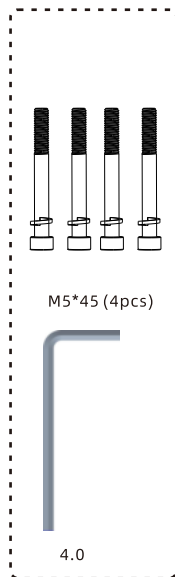
Machine Installation

01 Install frame

- 1.Remove the cable ties from the frame.
- 2.Pull the belt above to raise the X-axis.

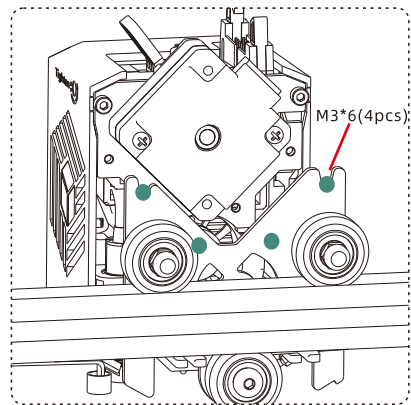
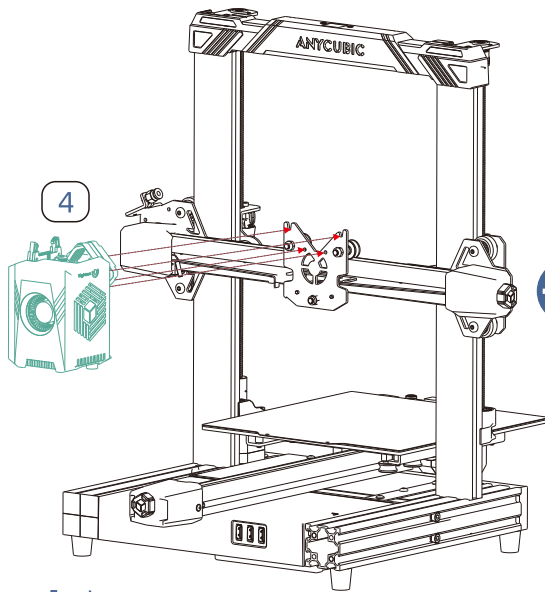
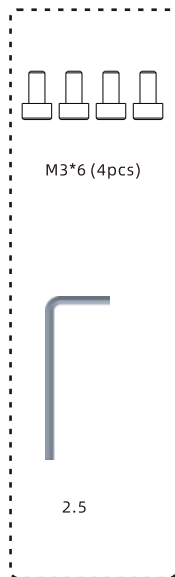


01 Install frame



Note: Please install PEI sheet.

02 Install print head



03 Install screen



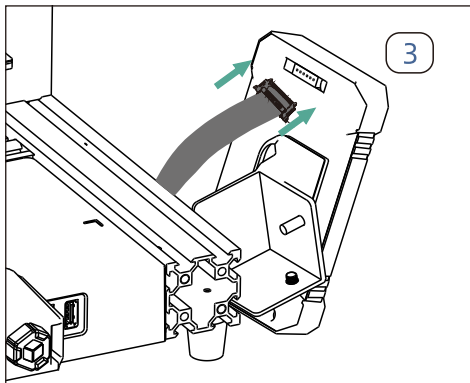
M5*6 (2pcs)



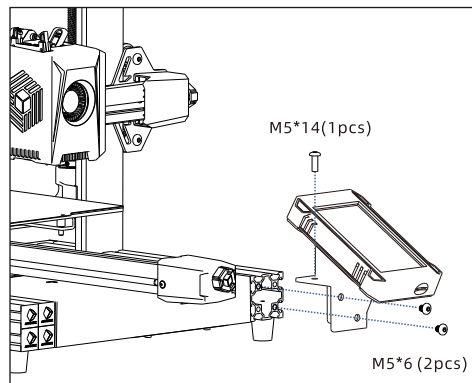
M5*14 (1pcs)



3.0



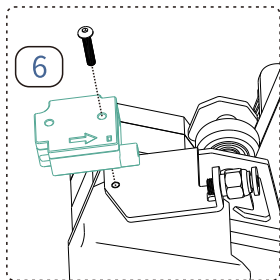
Insert the FPC into the port by pressing the terminal as pictured.



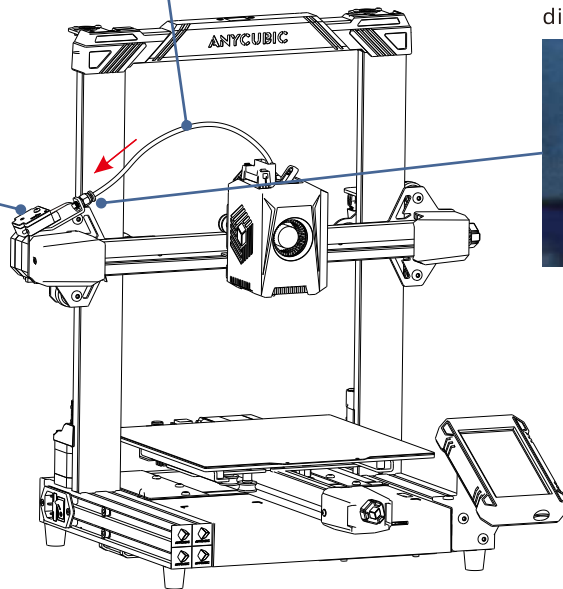
Secure the screen using screws.

04 Install filament runout sensor

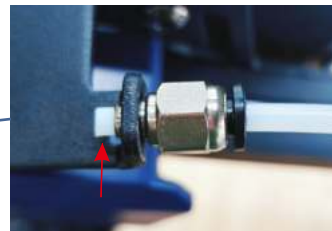
Step 1: Use screws to secure the filament runout detection in the position indicated in the diagram.



Filament Tube

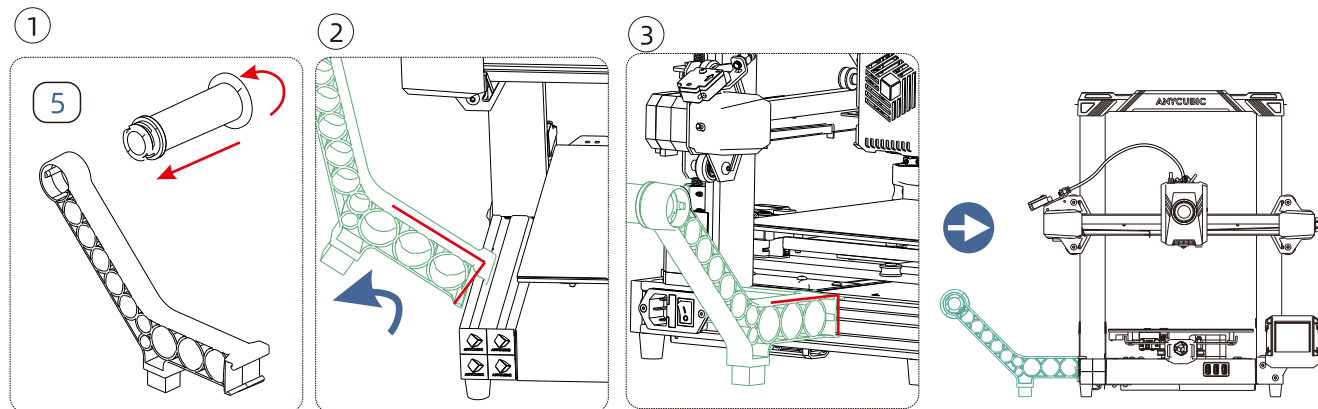


Step 2: Insert the filament tube in the direction indicated in the diagram.



2.0

05 Install filament holder



06 Wiring

① Filament runout sensor



② X-axis motor



③ X-axis limit switch



④



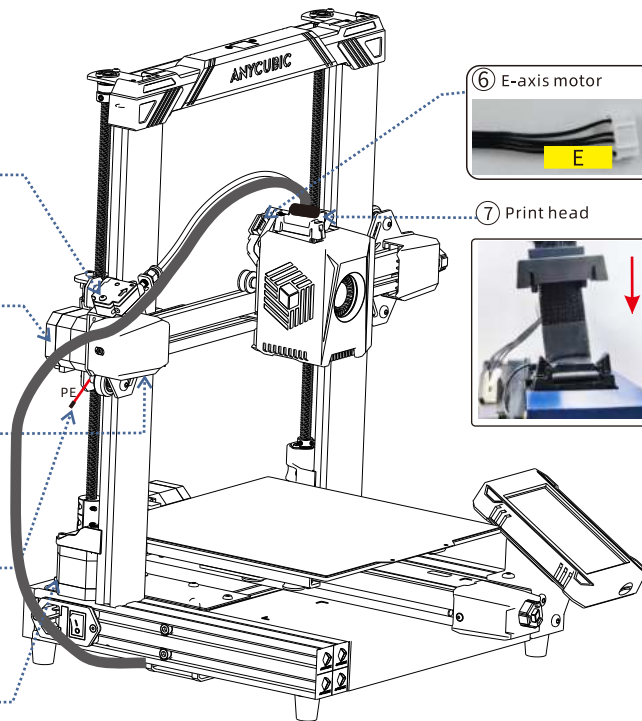
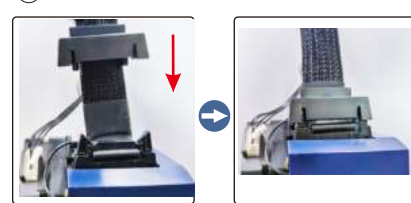
⑤ Z-axis motor



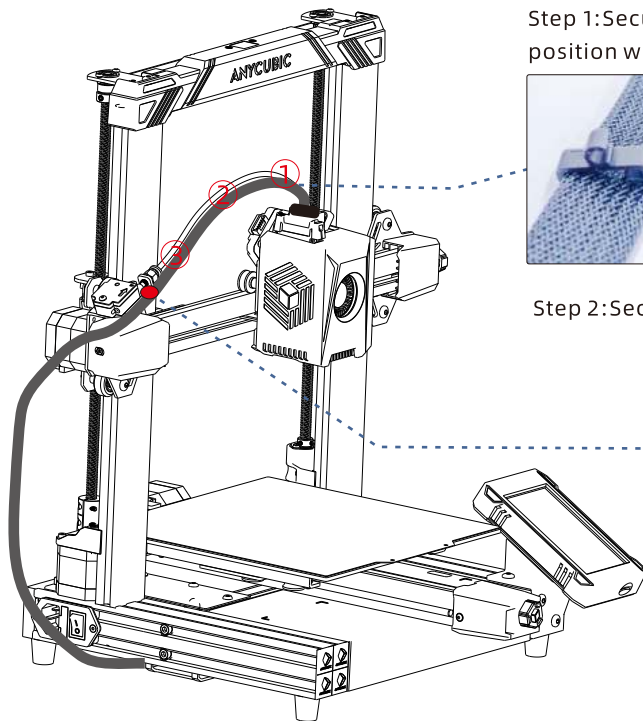
⑥ E-axis motor



⑦ Print head



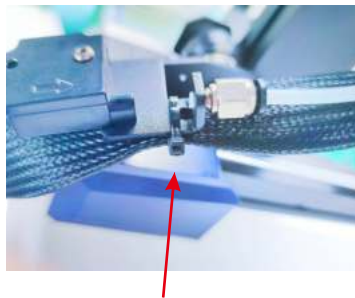
06 Wiring



Step 1: Secure the cables and filament tube at the indicated position with a retaining clamp.



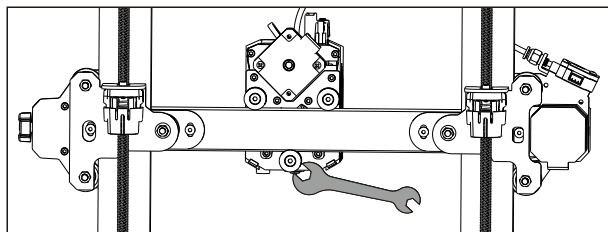
Step 2: Secure the cables at the indicated position using zip ties.



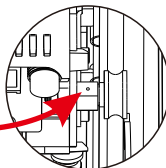
Check Before Use

1. Pulley elastic adjustment

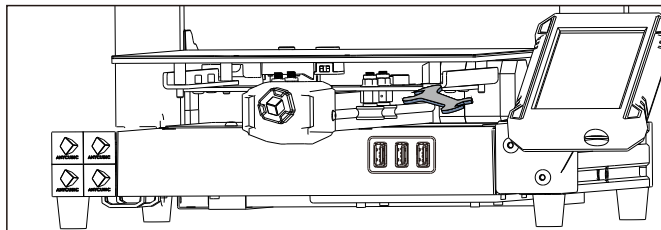
Check if the print head is shaking. If it is, adjust the hexagonal isolation column located underneath the print head until it slides smoothly and without shaking.



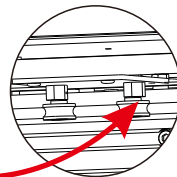
Print head



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

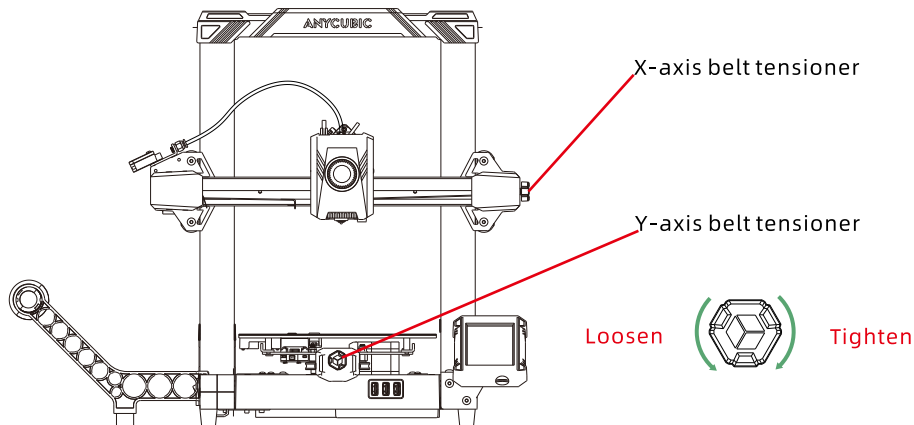


Similarly, the pulleys on both sides of the gantry frame can also be adjusted.



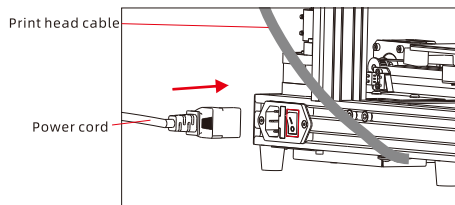
2. Belts

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

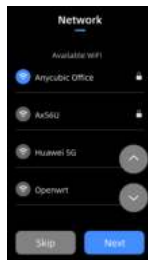
① Language



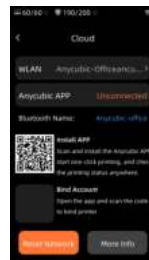
② Area



③ Network



④ Cloud



⑤ Complete setup



⑥ Start Operation Guide



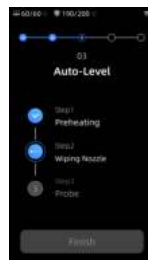
⑦ Insert U-Disk



⑧ Self Test



⑨ Auto-Level



⑩ Load Filament



⑪ Vibration compensation ⑫ Print The Model

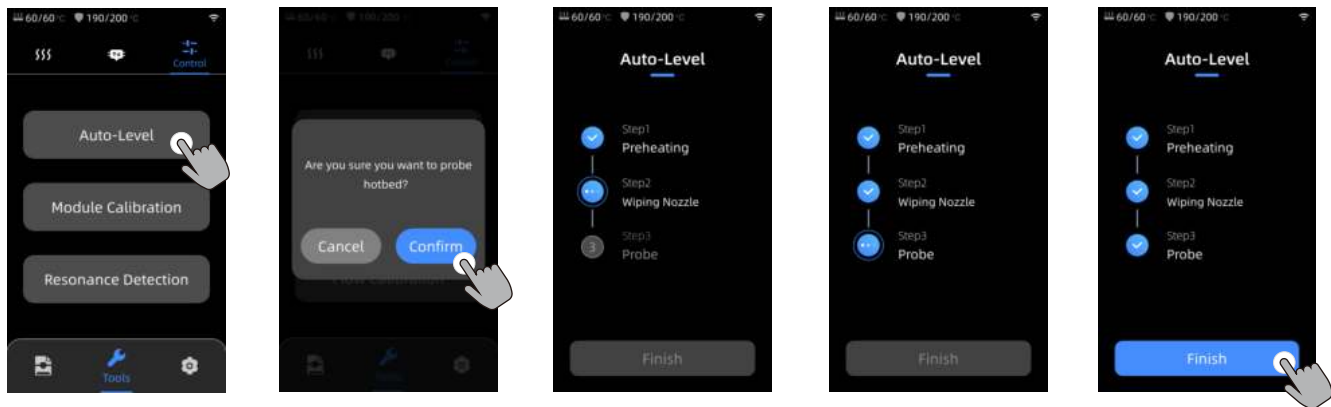


Note: The current interface is for reference only. Due to ongoing feature upgrades, please refer to the UI of the latest firmware release for accurate information.



Leveling

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



Note:

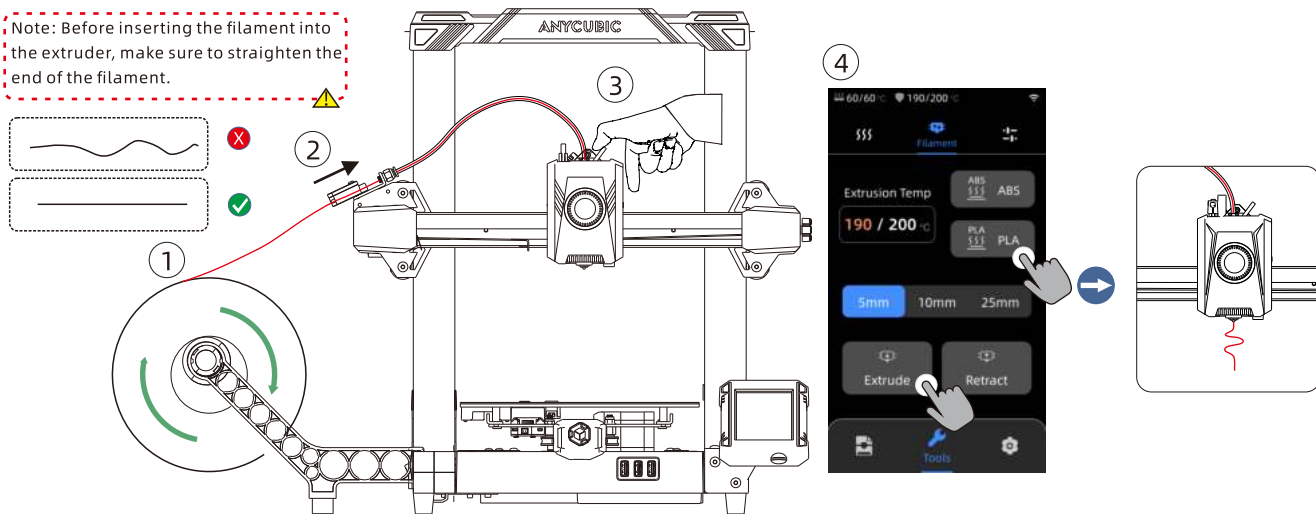
- 1) Please check whether the PEI board is installed before leveling.
- 2) The leveling sensor is only used for platforms with metal surfaces. If you replace the printing platform by yourself, please choose a platform with a metal surface to ensure the normal use of the automatic leveling function.



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 "Tools" - "Filament" - "PLA/ABS". Wait for the nozzle to heat up to the preset temperature. Press "Extrude" and wait for the filament material to be extruded from the nozzle. After stopping the filament feed, please clean the nozzle.

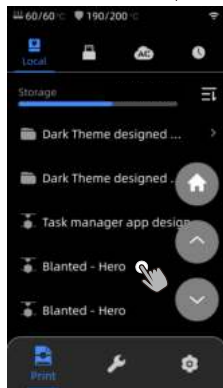
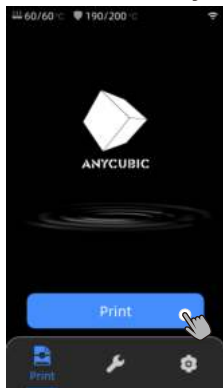
Note: Before inserting the filament into the extruder, make sure to straighten the end of the filament.



First print

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

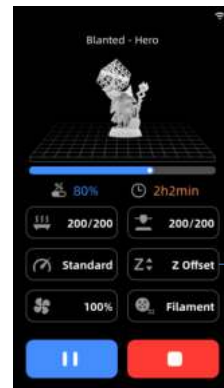
*We recommend using one of the pre-loaded files as a first test print.



Select the model from local storage or U-DISK.



Press "Print".



Printing in progress.

Note: After starting the printing process, please observe the situation of the first layer. If situations ① and ③ occur on the first layer, it indicates that the Z-Offset value is not matching. You can adjust the Z-Offset value during the printing process to adjust the distance between the print head and the print platform.



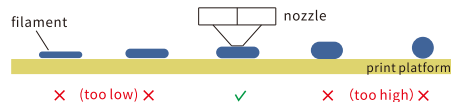
(too low)



(perfect)



(too high)



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.

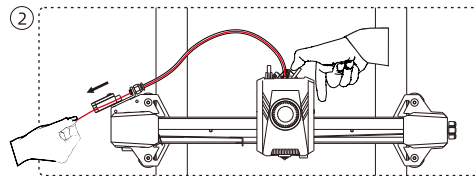
Power Loss Resume: In the event of a sudden power outage or accidentally turning off the machine, this function does not require manual setup. Simply reconnect the power and turn on the machine. You can then resume the print.

Note: The PEI platform adheres better when heated. However, if the power loss is too long, the platform will cool down, and the model may detach, making it impossible to resume the print.

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.

Note: After filament runout, you will need to remove the remaining filament from the filament tube and then insert a new filament.

Retraction Instructions: Press "Tools" - "Filament" - "PLA/ABS". Wait for the nozzle to heat up to the preset temperature. Press "Retract" and wait for the filament material to retract, or manually pull out the filament directly by pressing the button above the extruder.



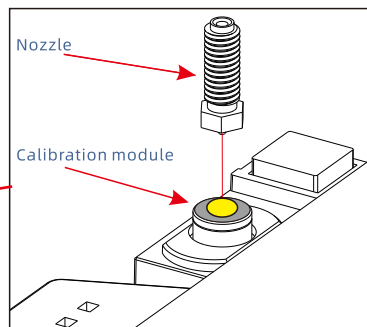
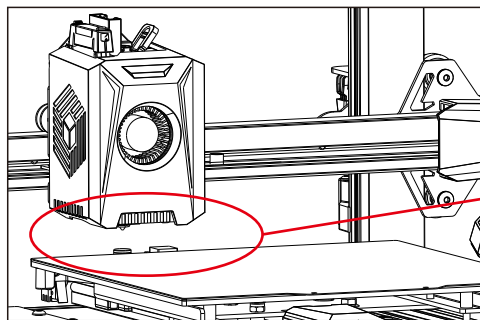
Troubleshooting Guide

If there is a leveling anomaly, please follow the steps below to check:

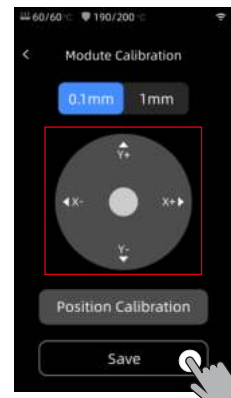


1) After powering off, check the wiring of the leveling calibration module to ensure it is connected properly. Then, restart the machine.

2) Press [Tools]-[Control]-[Module Calibration]-[Position Calibration]. Use the [X Move] and [Y Move] options on the screen to move the nozzle to the center point of the calibration module. Once done, click on [Save]. Afterward, perform the leveling operation again.



The shown nozzle is on the print head and some parts are left out for better display.





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FC CE RoHS



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