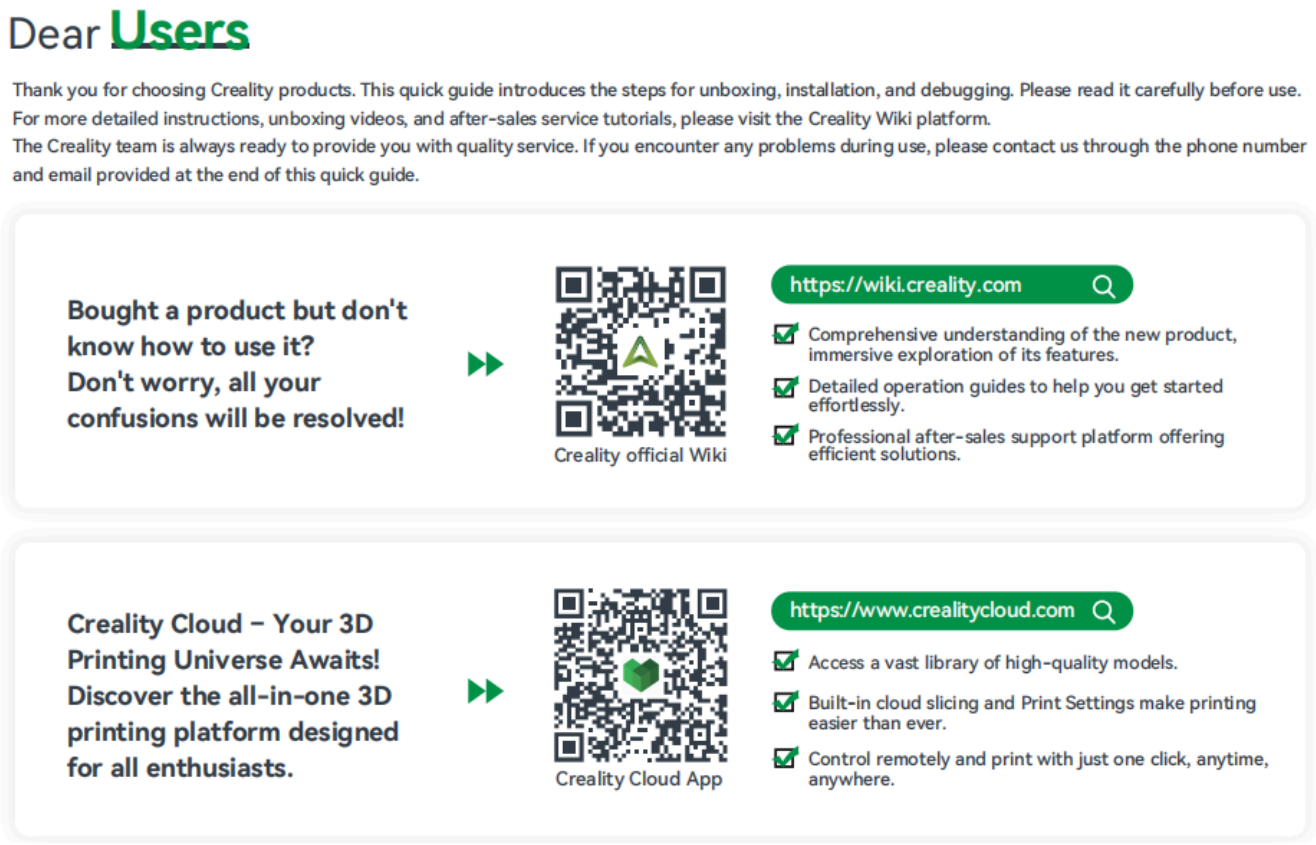
K2 & K2 Combo User Manual

Video Tutorial

K2 Unbox & Setup

K2 Combo Unbox & Setup





Notes

1. Do not use the printer in any way other than described herein iin order to avoid personal injury or property damage;

2. Do not place the printer near any heat source or flammable orexplosive objects. We suggest placing it in a well-ventilated, cool and dustless environment;

3. Do not expose the printer to a violent vibration or any other unstable environment, as this may cause poor print quality;

4. Please use recommended filaments to avoid clogging of the exttrusion head and causing damage to the machine;

5. Do not use the power cable of other products during installation. Always use a grounded three-prong power outlet, which acconipanies the printer;

6. Do not touch the nozzle and the heated during operation tto avoid burns or personal injury;

7. Do not wear gloves or wraps while operating the machine to prevent entrapment of movable parts that could cause crushing and cutting injuries to bodily parts;

8. Use the provided tools to clean the filament from the extruder iin time taking advantage of the residual temperature after printingg. Do not touch the extruder directly when cleaning, otherwise it may caause burns;

9. Clean the printer frequently. Clean the printer body with a dry cloth regularly after powering off the printer, wipe away dust, bonded print filament and foreign objects on the guide rails;

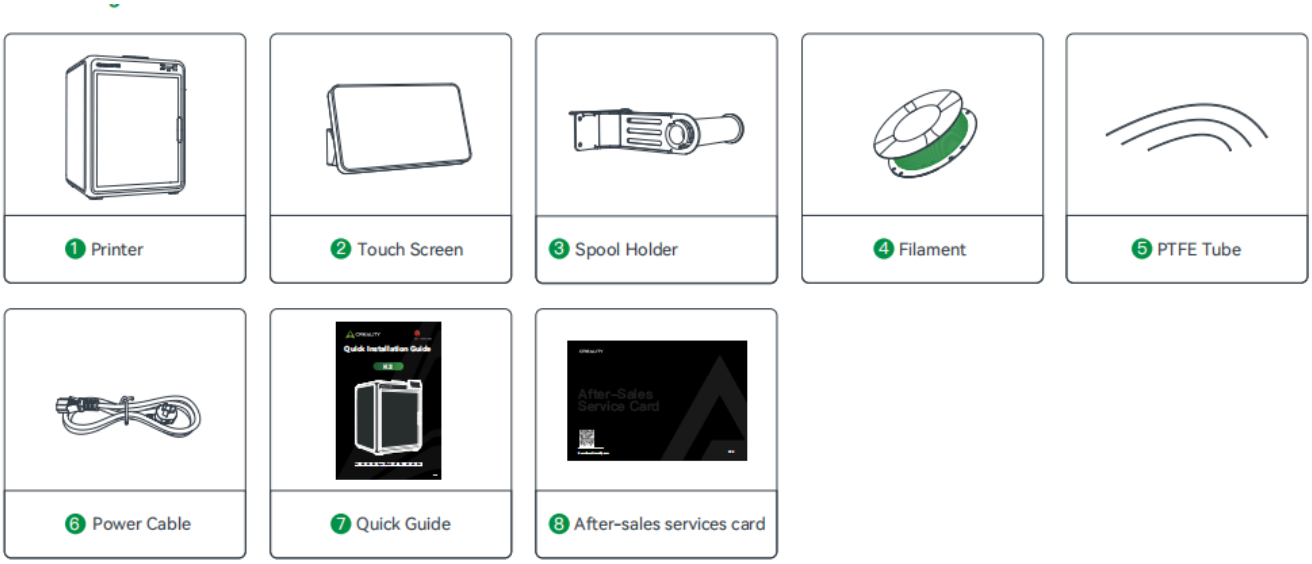
10. Children must be accompanied by an adult at all times when uusing or near the printer;

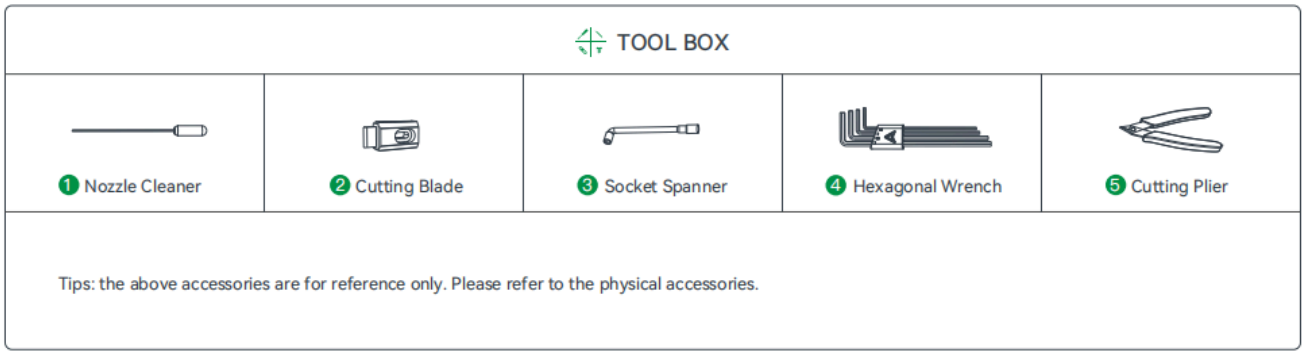
11. Users should comply with the laws and regulations of the corresponding countries and regions where the equipment is located (used), abide by professional ethics, pay attention to safety obligaations, and strictly prohibit the use of our products or equipment for any illegal purposes; Creality will not be responsible for any violators' legal liability under any circumstance;

12. Tip: Do not pluq in or unpluq wires on a chargedbasis.

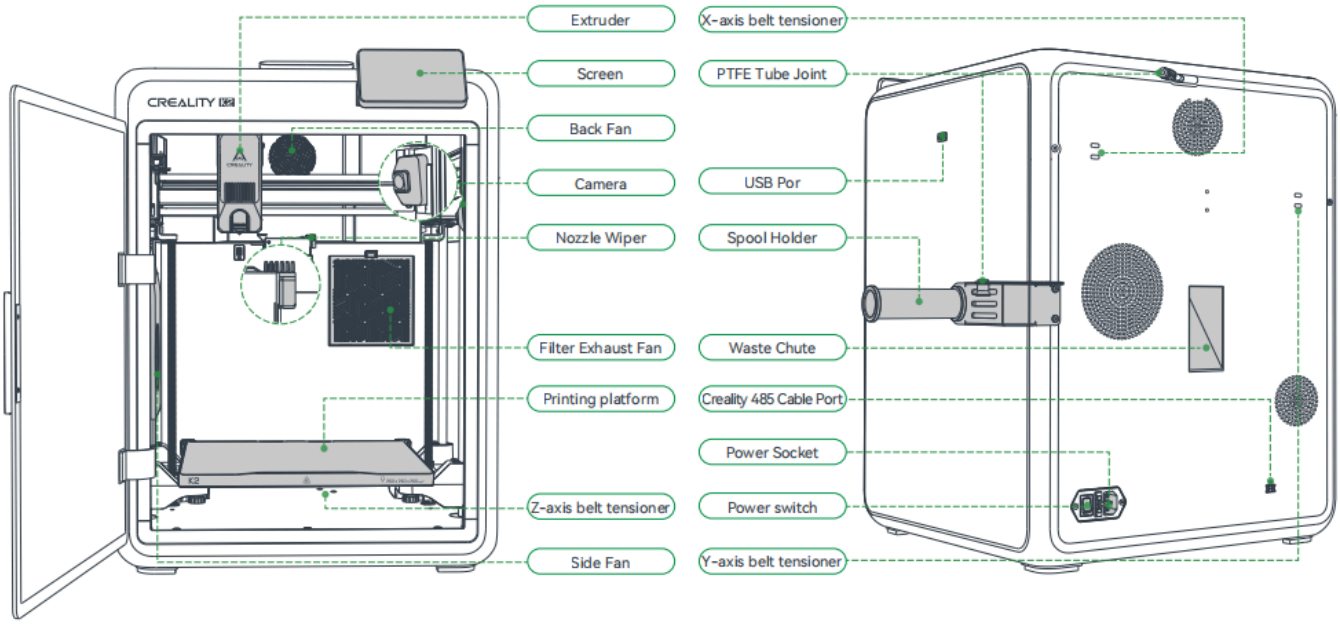
1. Printer Information

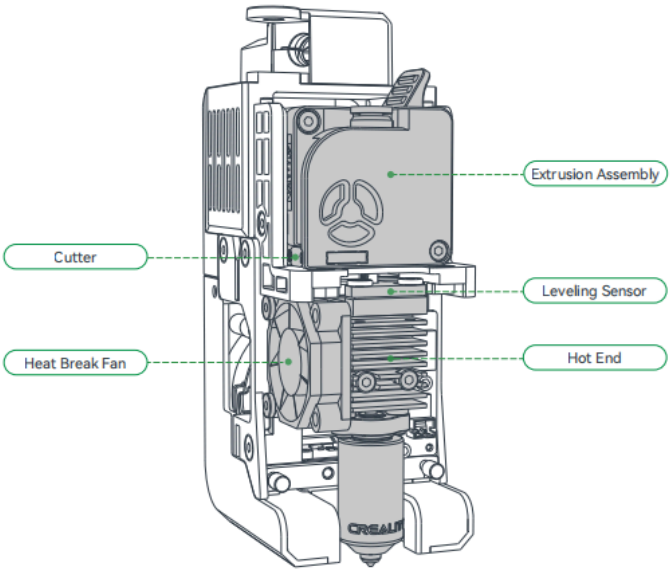
1.1 Packing List

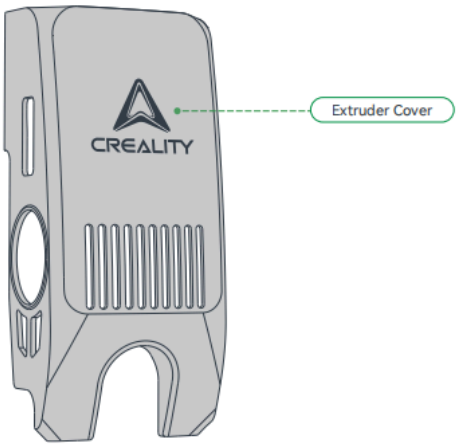




1.2 About the Printer



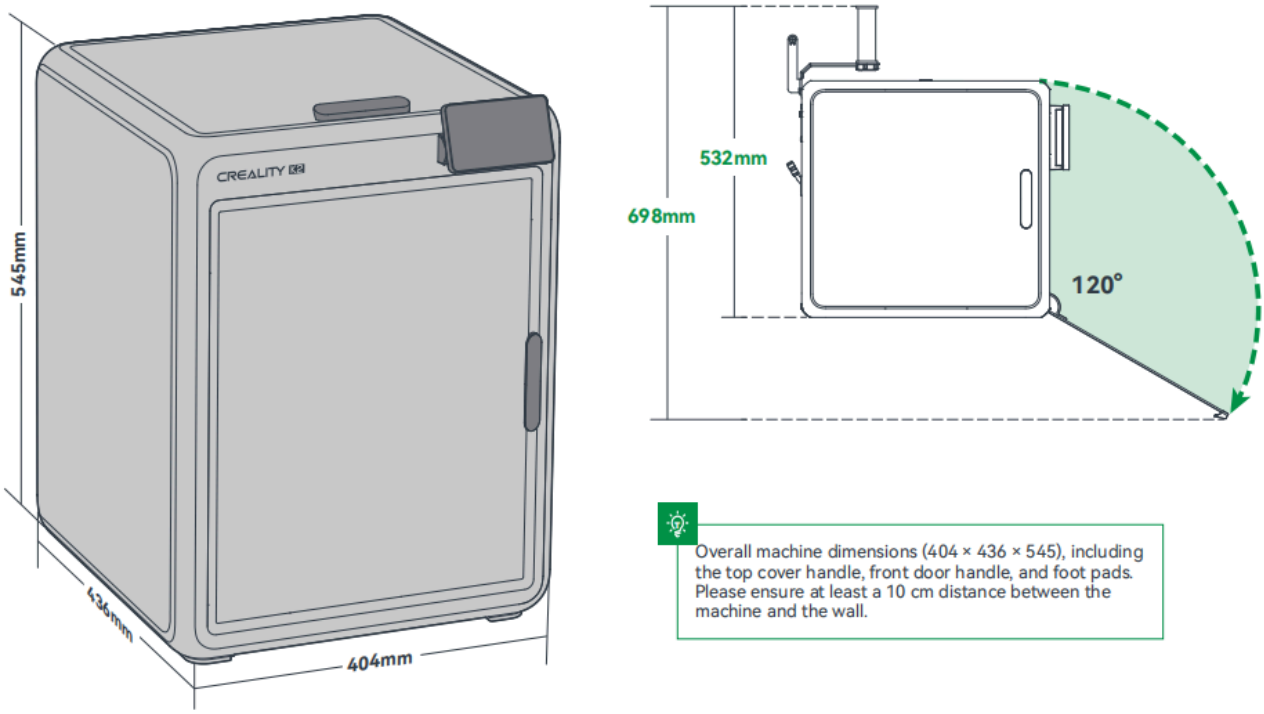




1.3 Equipment Specifications

Equipment Specifications			
Model	K2	Rated Power	1350W@220V,450W@110V
Modeling technolog	FFF	Rated voltage	100-240V~, 50/60Hz
Modeling dimensions	260*260*260mm³	Screen	4-inch color touch screen
Equipment size	404*436*545mm³	Supported filaments	PLA/PETG/ABS/PLA-CF/PET
Printing speed	≤600mm/s	AI monitoring camera	Standard configuration
Acceleration	≤20000mm/s²	Power loss recover	Yes
Precision	100mm±0.1mm	Air purification	Yes
Extruder type	Proximal dual gear extruder	Vibration optimization	Yes
Filament diameter	1.75mm	Lighting lamp	Yes
Nozzle diameter	0.4mm	CFS	Yes
Nozzle temperature	≤300℃	CFS extension	≤4
Hotbed temperature	≤100℃	Slicing software	Creality Print 6.0 and above
Printing platform	PEI spring steel build plate	Language	中文/English/Español/Deutsche/Français/Русский/Português/Italiano/Türk/日本語/한국어
Leveling method	Automatic leveling		
WiFi	2.4GHz	Printing Method	USB flash drive/WiFi
Built-in storage	8GB EMMC	Print file format	Gcode/3MF

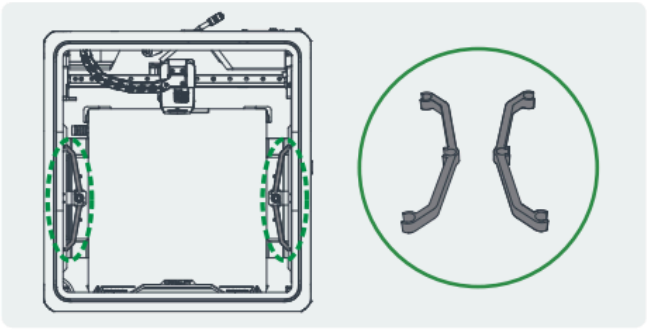
1.4 Equipment Size



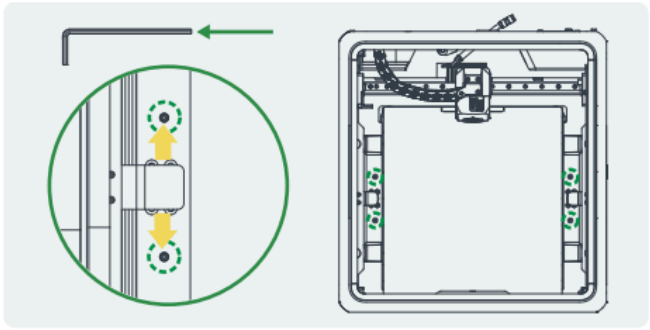
Overall machine dimensions (404 × 436 × 545), including the top cover handle, front door handle, and foot pads. Please ensure at least a 10 cm distance between the machine and the wall.

2. Unboxing

2.1 Remove the lead screw rod holders and heat bed locking screws



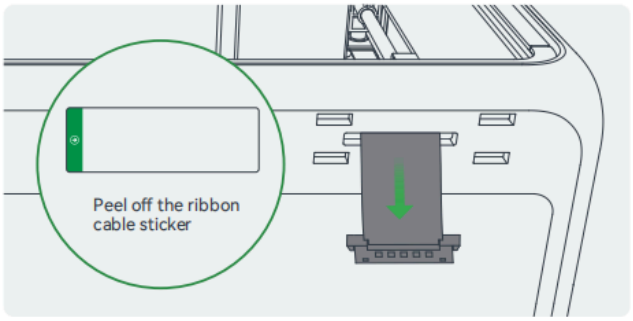
1 Remove the left and right screw rod holders.



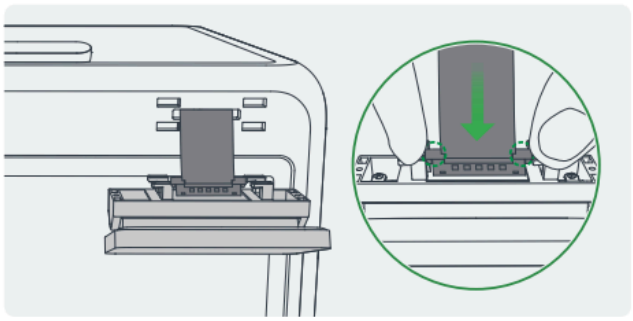
2 Use a hexagonal wrench to remove the four heated bed locking screws indicated by the yellow labels.

2.2 Install Accessories

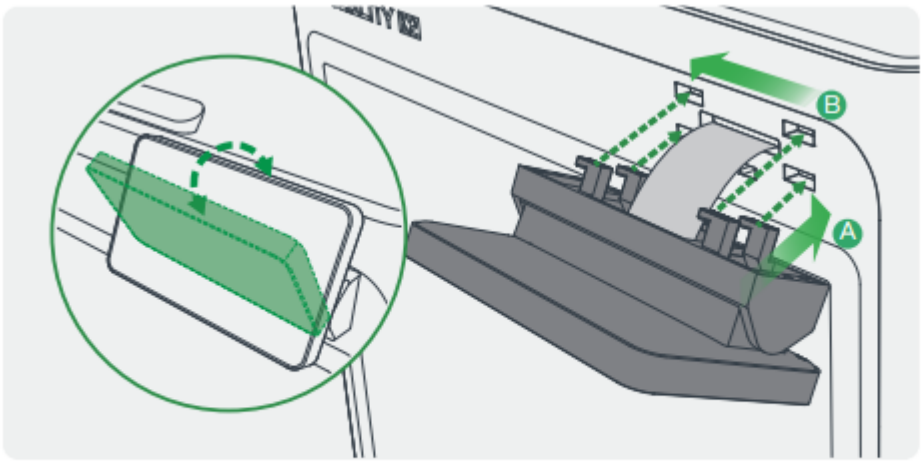
2.2.1 Install Printer Screen



1 Peel off the ribbon cable sticker on the top inside of the machine, and pull the screen ribbon cable through the screen slot at the top of the machine.

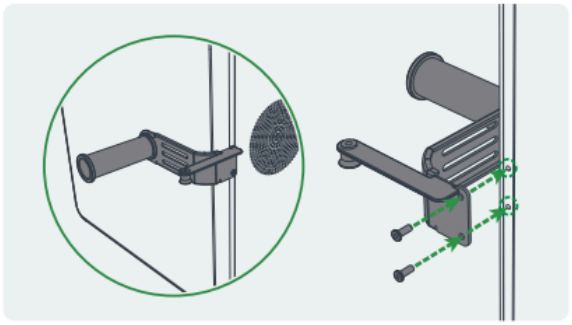


2 Connect the screen ribbon cable: Make sure to press it into place according to the direction shown in the diagram.

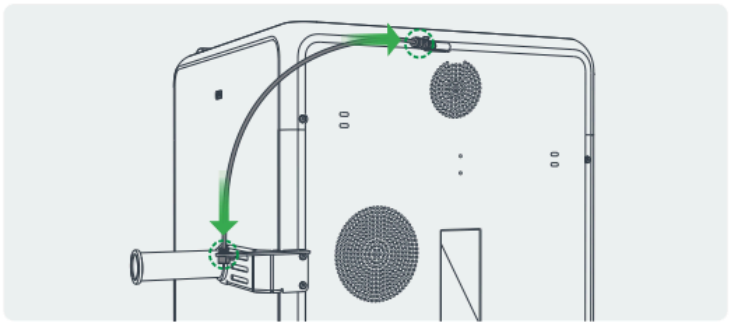


3 Insert the screen into the machine: A. Align the screen latch with the screen slot on the machine. B. Gently push to the left to lock it in place.

2.2.2 安装机器料架及铁氟龙管



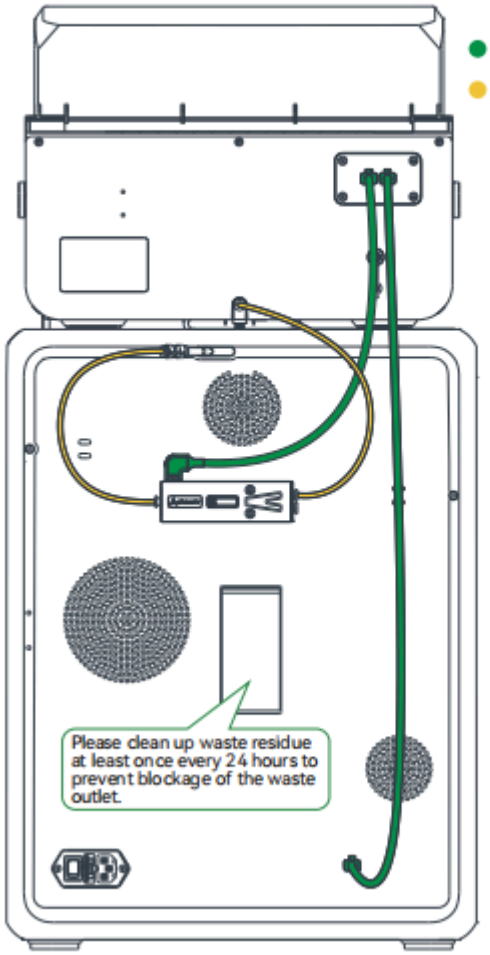
1 First, remove the two material rack screws from the back panel. Then, align the material rack with the holes on the back of the machine and secure it with the two screws.



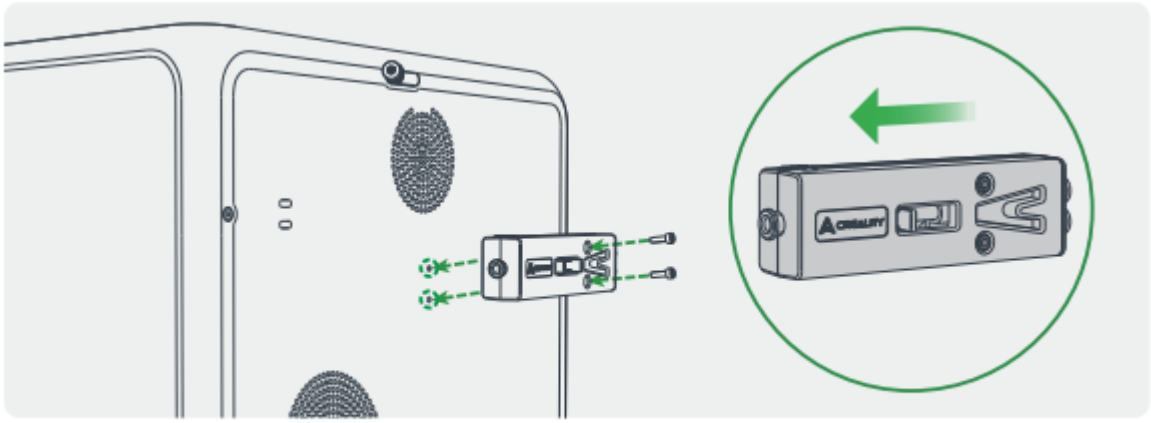
2 Connect the PTFE tube: As shown in the picture,connect both ends of the PTFE tube to the pneumatic fittings on the material rack and the machine.

2.3 Connecting CFS

Users who have not purchased CFS can skip this step.



2.3.1 Install the filament buffer

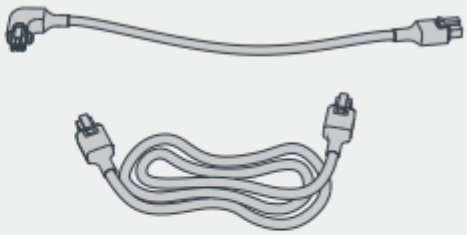


1 Install the filament buffer on the back of the printer and tighten it with two buffer screws; pay attention to the direction of the buffer, do not install it in a wrong direction.

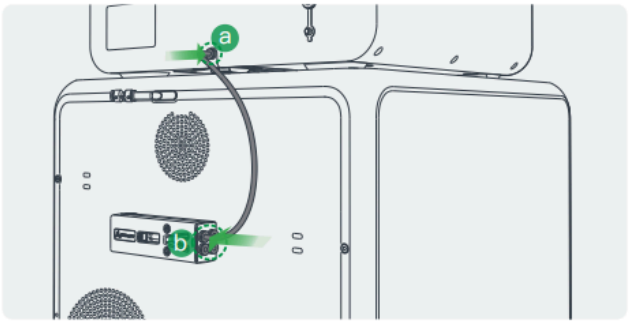
2.3.2 Connect the PTFE tube and 485 cable



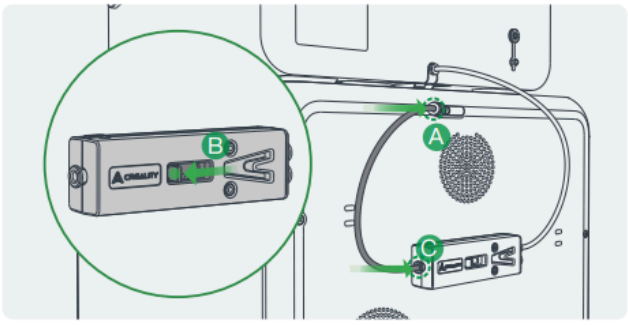
- The longer PTFE tube connects the CFS five-way connector to the buffer.
  The shorter PTFE tube connects the CFS buffer to the printer.



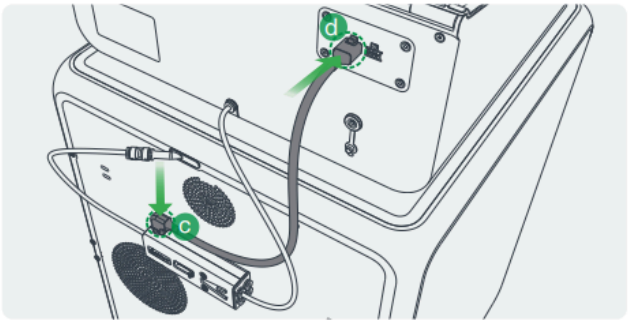
- The shorter 485 communication wire connects the CFS to the buffer.
  The longer 485 communication wire connects the CFS to the printer.



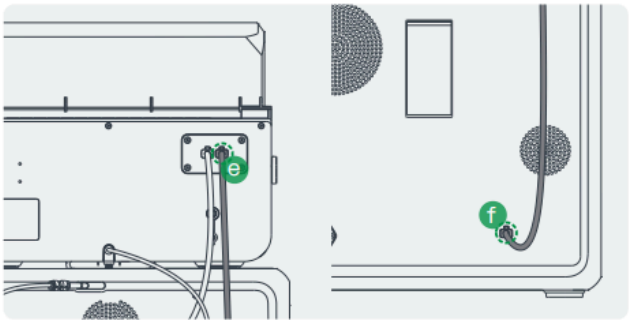
1 Connect CFS hub outlet and buffer: insert one end of the longer PTFE tube into the CFS hub outlet (position a); insert the other end into the buffer (position b, any of the four holes).



2 Connect the buffer to the printer following steps A, B, and C.

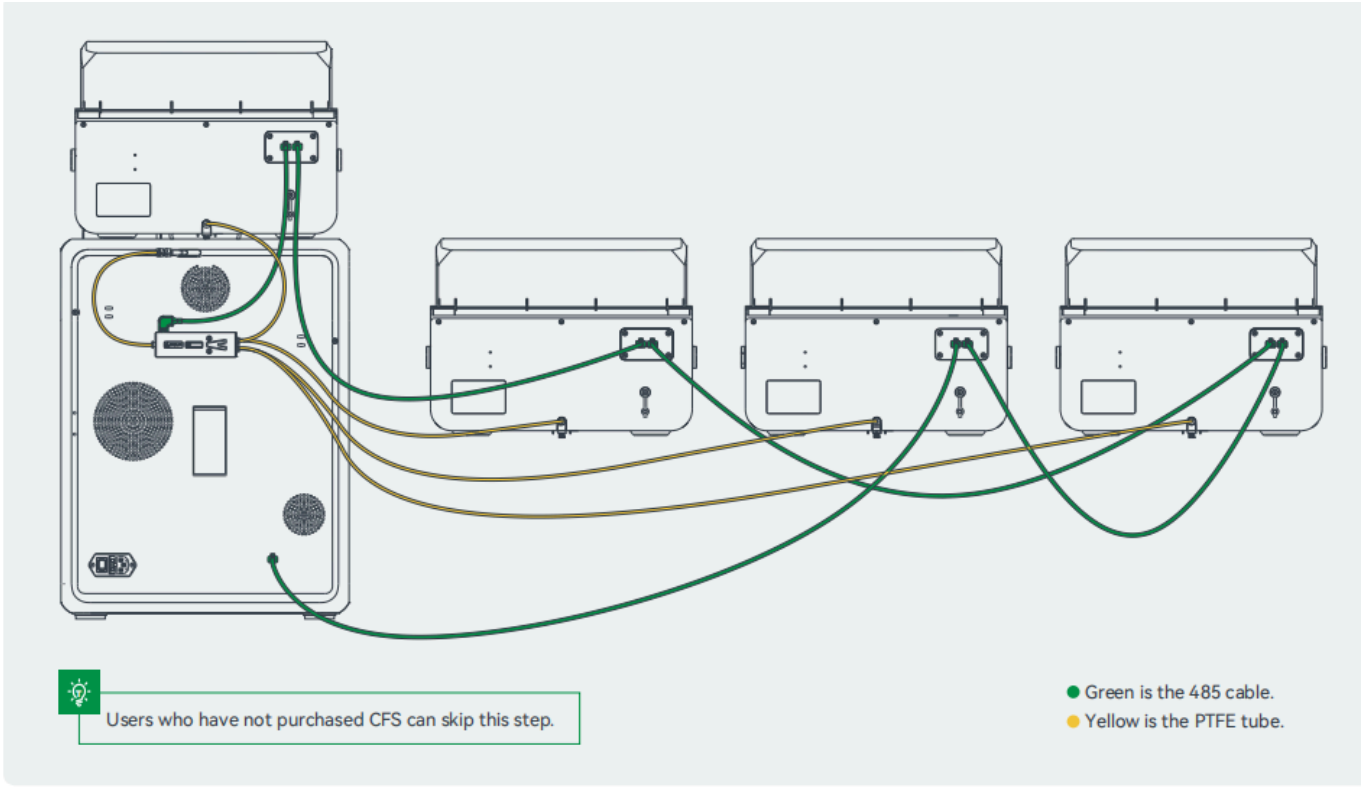


3 Connect CFS and buffer Creality 485 cable: Note that the elbow is inserted into the buffer position c, and the straight head is inserted into the CFS position d (either of the two 485 sockets of CFS).



4 Connect the CFS to the printer using the 485 communication wire: This cable has 6-pin straight connectors on both ends with no specific orientation. Insert one end into position e on the CFS and the other end into position f on the machine interface.

2.4 Connecting Multiple CFS

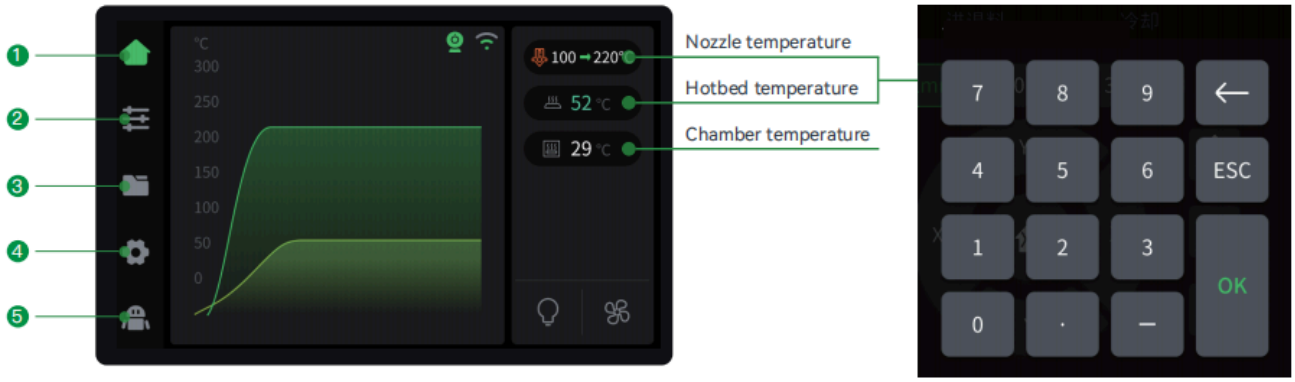


2.5 Power-on Guide



3. Product Usage

3.1 User Interface



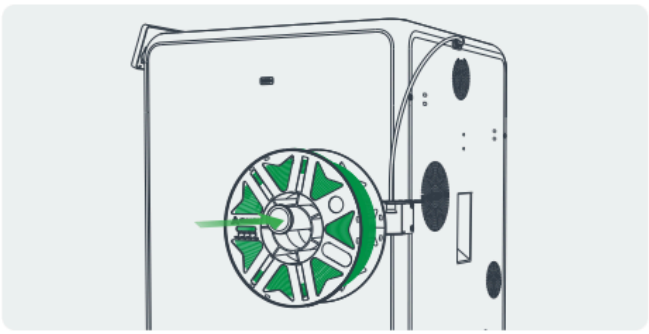
Parameters can be manually set

The left side is the navigation bar :

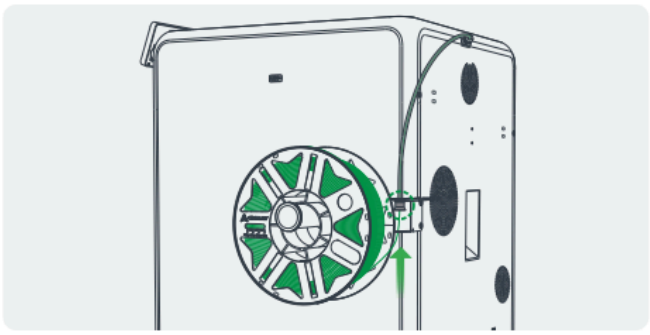
1. Home: In idle state, you can view the temperature of each part of the machine; during printing, you can view the model printing progress and other information on this interface.
2. Adjustment page: On this page, you can operate the machine to move, load filaments, etc.
3. File page: On this page, you can choose to print files and operate printing.
4. Function setting page: You can set network, camera and other functions. you can also view machine information.
5. Help page: You can export logs or view machine wiki.

The current interface is for reference only. Due to the continuous upgrading of functions, it shall be subject to the latest software/firmware UI published on the official website.

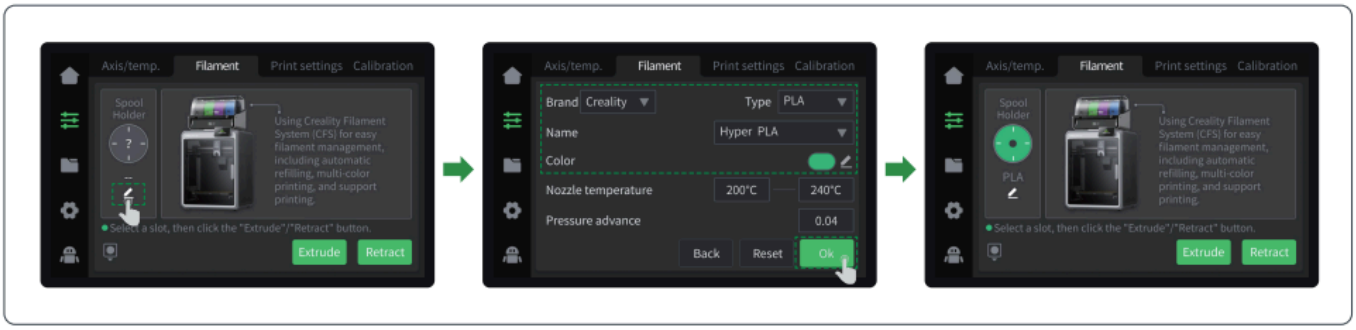
3.2 Loading Filament From Spool Holder



1. Hang the filament on the spool holder.



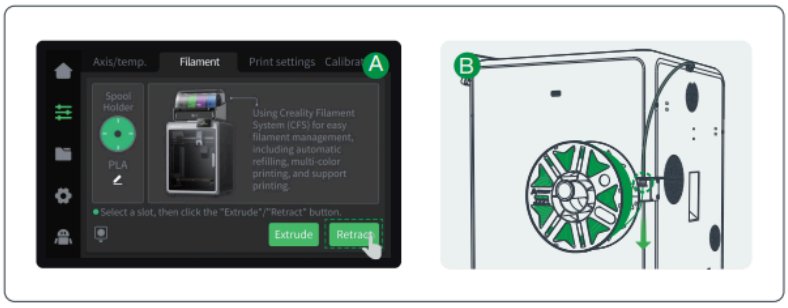
2. Thread the filaments into the Teflon tube and push gently until they cannot be pushed.



3. Manually tap the screen to set the filament information: Adjustment page → Filament → Edit (as shown below the material rack). Set the filament brand, type, name, and color, and finally click "OK" to save the settings.



4 Extrude: Push the filament gently by hand, and click "Extrude" on the filament interface. The machine will automatically set the current filament temperature, and will automatically extrude the filament after the heating is completed.



5 Retract: A. Click Retract on the filament management page, and the extruder will automatically move to the left front to cut off the filament for retraction.
B. Wait for the retraction to end, and extract the filament from the Teflon tube behind the machine.

During extruding, you can observe whether there is filament flowing out of the nozzle. If no flow-out is observed, you can gently push the filament toward the extruder at the Teflon tube behind the machine, and then click "Extrude" again.

The current interface is for reference only. Due to the continuous upgrading of functions, it shall be subject to the latest software/firmware UI published on the official website.

3.3 Loading Filament From CFS

Users who have not purchased CFS can skip this step.

To avoid filament spool getting stuck, do not use cardboard spool with untreated edges or cardboard spool that are deformedl as a whole;



a is the Refresh RFID button, which can be used to read filament. If the reading is successful, the remaining filament and filament color will be displayed. If the reading fails, the filament editing button will be displayed, and the filament will be displayed as "?".

b is the empty slot state, displayed as "/", and editing is not supported.

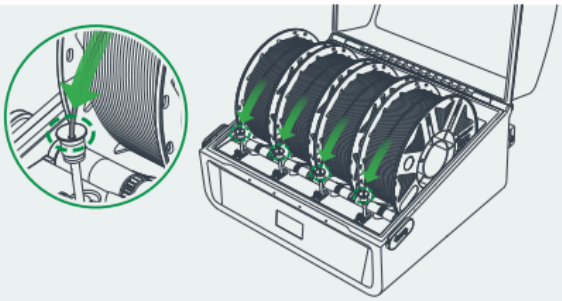
c means that the RFID filament is read, the eye icon is for viewing filament information, RFID filament only support viewing; if this is RFID and you want to use non-RFID next time, click the pre-loading button, wait for the reading to complete, and then click the filament editing button.

d is ordinary filament, which support editing.

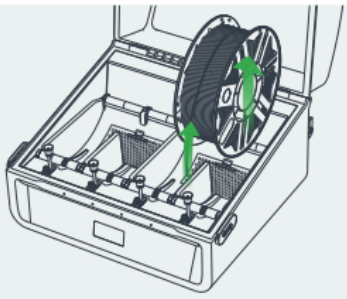
e is the state where RFID is not read, the filament display "?". At this time, you need to click the edit button to manually edit the filament information.

f is the CFS humidity status. Green means the humidity is appropriate, orange means the humidity is slightly higher, and red means the humidity is very high. The desiccant may need to be replaced.

1 Introduction to the filament management interface: The filament management page is divided into two parts: the spool holder [left] and the CFS [right]. The code above the filament in the CFS, such as 1A, indicates the slot number.



Loading filament: Put the filament into the CFS, align the filament head with the Teflon tube of corresponding silo, push it in gently, and let go after feeling the pulling force. The filament will be automatically loaded.

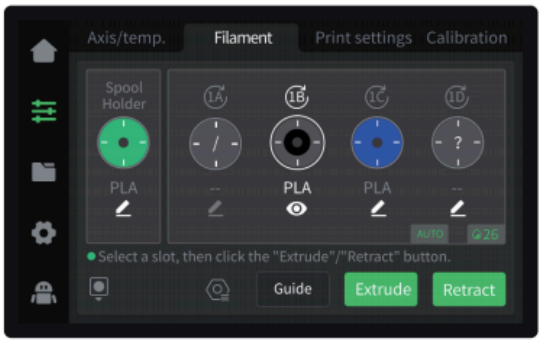


Unloading filament: First, make sure that the filament is not in the extruder, in this case, just pick up the filament and pull it out; if it is in the extruder, click the Retract button first, wait for the filament to return to the CFS, and then take out the filament.

2 Load/unload filament.

4. First Use

4.1 Filament Setup



1. Put in filament and wait for tightening (RFID filament does not need to be edited, in case of non-RFID filament, "?" will be displayed after reading, and filament needs to be edited manually).

Users who have not purchased CFS can skip this step.

The current interface is for reference only. Due to the continuous upgrading of functions, it shall be subject to the latest software/firmware UI published on the official website.



2. Check whether the filament information displayed on the screen corresponds to the filament in CFS.

4.2 Print



- The area a is the color and type of the material contained in the print file. For example, the green background PLA in the figure indicates that green PLA is required.
- The area b is the state after the mapping of the print file to the filament bin is completed. For example, there is no green PLA in the filament bin, and the blue PLA is automatically selected.
- When the mapping fails, '--' will be displayed, and the user needs to manually select the material.
- Enabling CFS means printing with CFS filament, otherwise the material rack filament will be used for printing, and the multi-color file will be regarded as a single-color file.
- Check the Print Calibration to enable the auto-leveling function.

1. Click the file on the screen, confirm the filament mapping status, and click Print;



2. Printing...

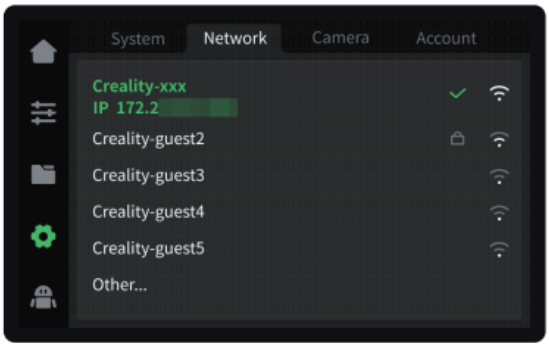
The current interface is for reference only. Due to the continuous upgrading of functions, it shall be subject to the latest software/firmware UI published on the official website.

4.3 Creality Print Slicing

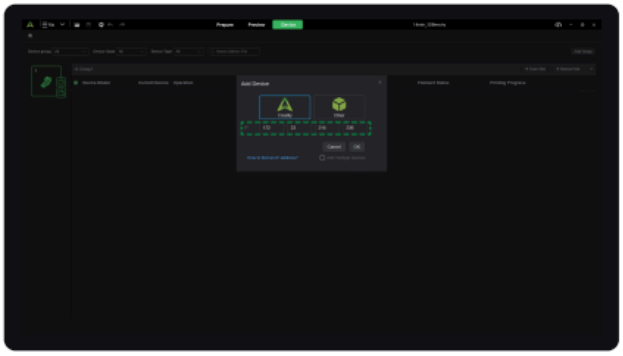
4.3.1 Software Download and Installation

Log in to the Creality Cloud website to download the latest Creality Print slicing software:
https://www.crealitycloud.com/software-firmware/software/creality-print ;

4.3.2 Bind Machine to LAN



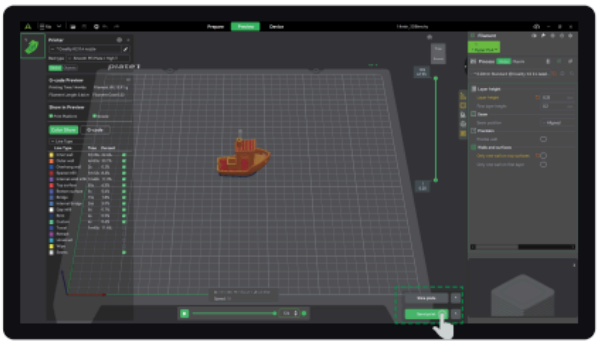
1. Check the machine IP on the machine screen: Settings → Network.



2. Enter the machine IP in the slicing software for binding: Manually add → Enter IP.

The current interface is for reference only. Due to the continuous upgrading of functions, it shall be subject to the latest software/firmware UI published on the official website.

4.3.3 Slice and Send to Print



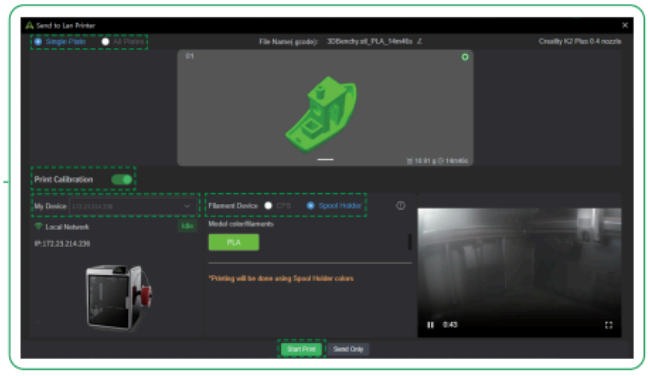
1. Click "Slice Plate" , and after slicing is complete, click "Send Print".

For more detailed slicing software usage tutorials, please log in to the Creality 3D official Wiki:
https://wiki.creality.com/en/software/update-released

The current interface is for reference only. Due to the continuous upgrading of functions, it shall be subject to the latest software/ firmware UI published on the official website.

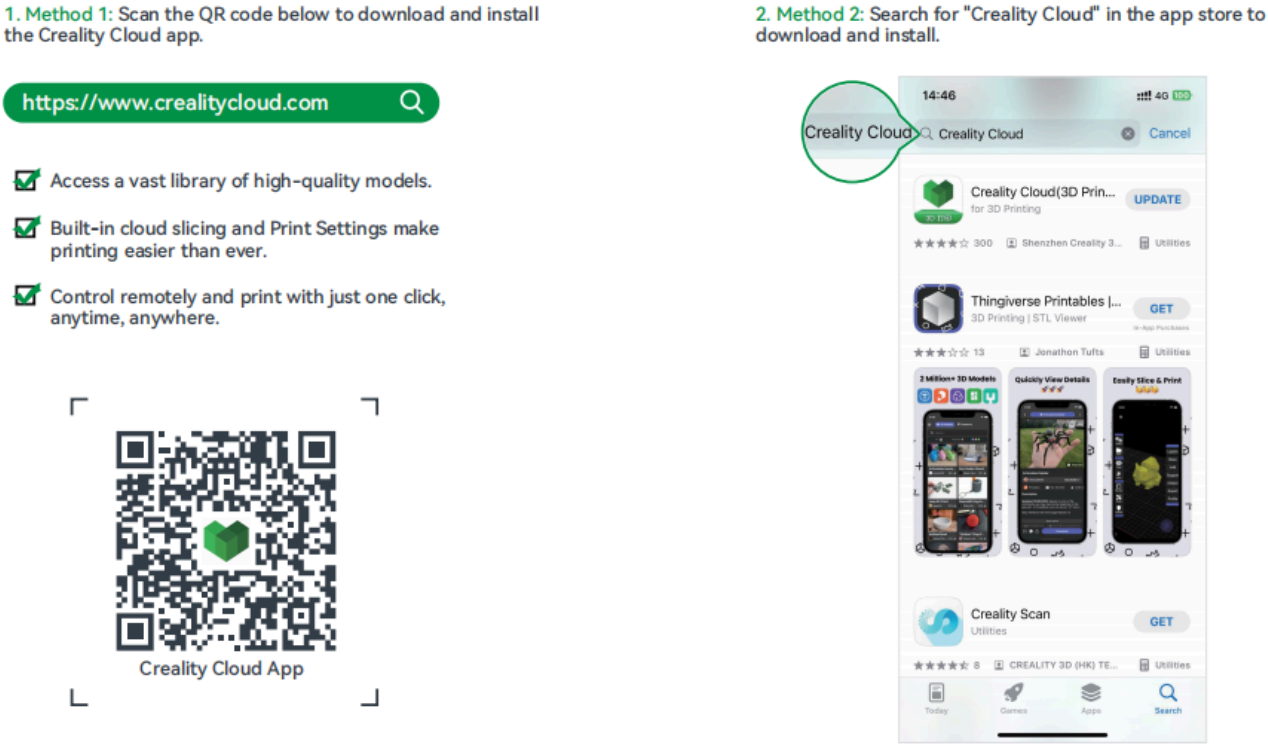


2. Check the machine and filament information, then click "Start Print".



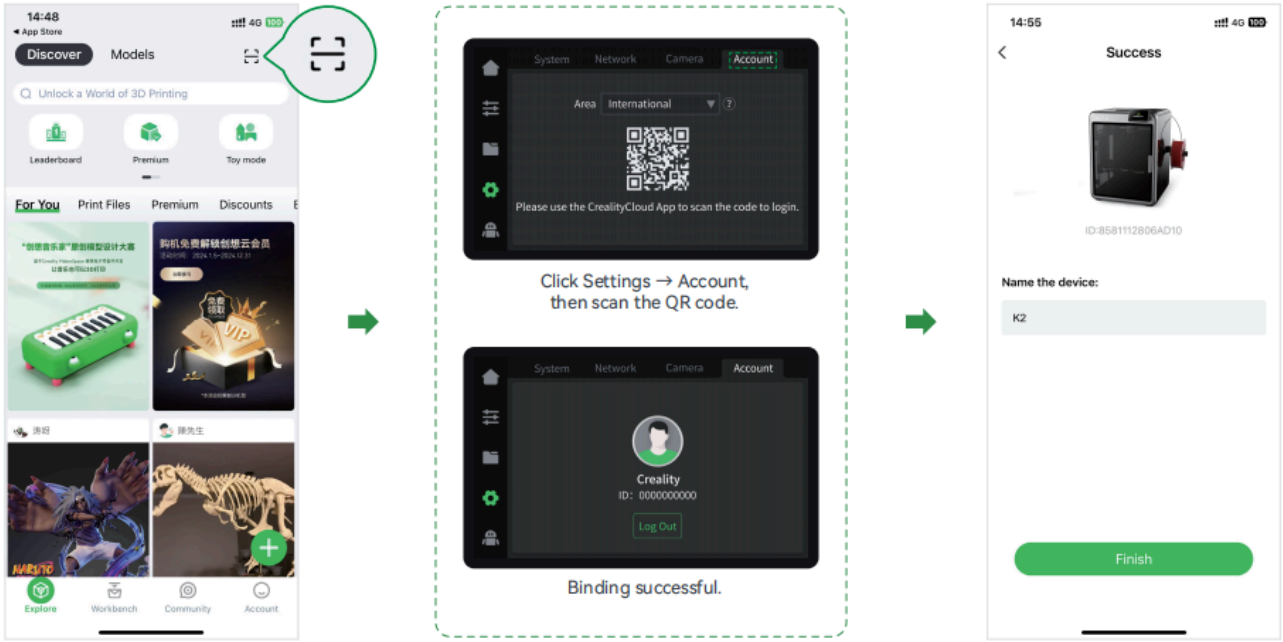
4.4 Creality Cloud Printing

4.4.1 Software Download and Installation



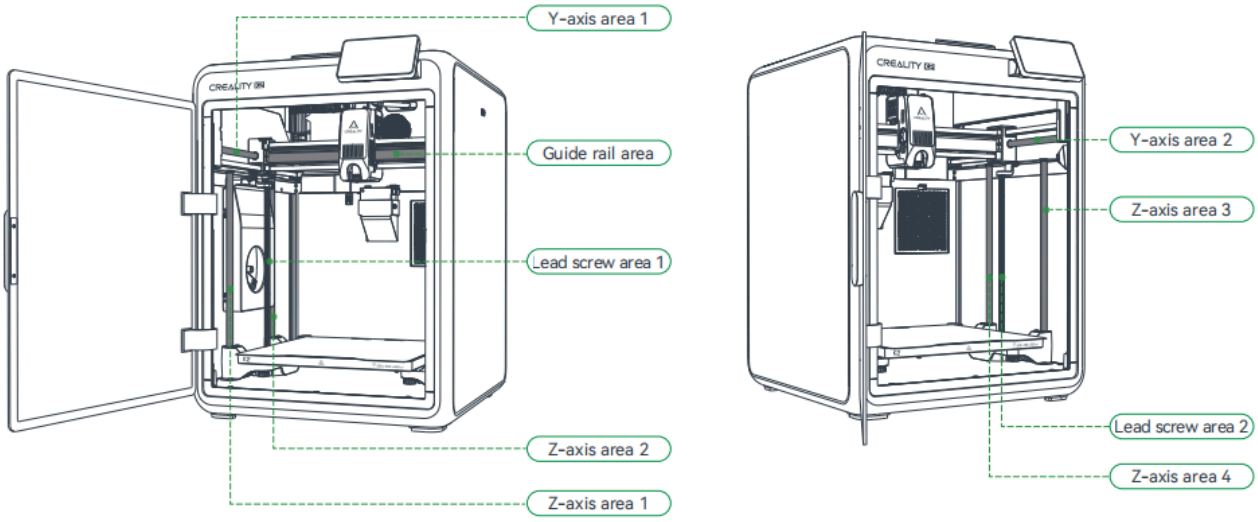
4.4.2 Bind and add a device

Use the Creality Cloud app on your mobile phone to scan the QR code on the printer screen and bind the printer to your account.



5. Tips and Routine Maintenance

5.1Lubrication and maintenance



300-hour regular maintenance: Please regularly apply grease to the areas shown in the diagram. Only a small amount of grease is needed in the center, and it will spread evenly through automatic movement.

5.2 Maintenance Items

Maintenance instructions		
Machine cleanup	Clean the debris inside the machine to ensure that its operation is not affected.	Before each print
Hot end	Check if the wire output is normal, if not, please check if the extruder is blocked.	After each change of filaments
Printing platform	Check the surface of the platform for residual filaments and glue, if so, clean the surface of the platform.	Before each print
Motion mechanism	XYZ axis and lead screw lubrication.	Cumulative print time per 300 hours
Air filtration	Replace the air filter cartridge.	Cumulative print time per 300 hours
Equipment self-test	Optimization of vibration veins.	Cumulative print time per 300 hours
	Auto Leveling.	
Filament replacement	Replacement of filaments of the same kind: follow the normal Retreat - Feed process.	/
	Replacement of different filaments: Preheat the nozzle to reach the target temperature of the current filament; then retreat it, replace with the target filament, and preheat the nozzle to the higher filament extrude temperature of the two filaments; feed for 30s until the filament has been completely extruded, and finally set the nozzle temperature to the temperature of current filament nozzle.	

If the above issues cannot be resolved:

1. Please scan the K2 Wiki QR code to view more detailed after-sales service tutorials (you can also check the product unboxing steps, video guides, user instructions, and CFS device installation, etc.).
2. Or contact our after-sales service center at +86 755 3396 5666, or send e-mail to cs@creality.com.

K2 Wiki

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