

TINA2 PLUS Quick Start Guide

| NOTES

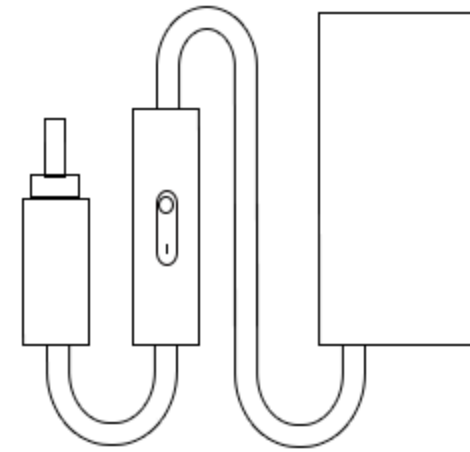
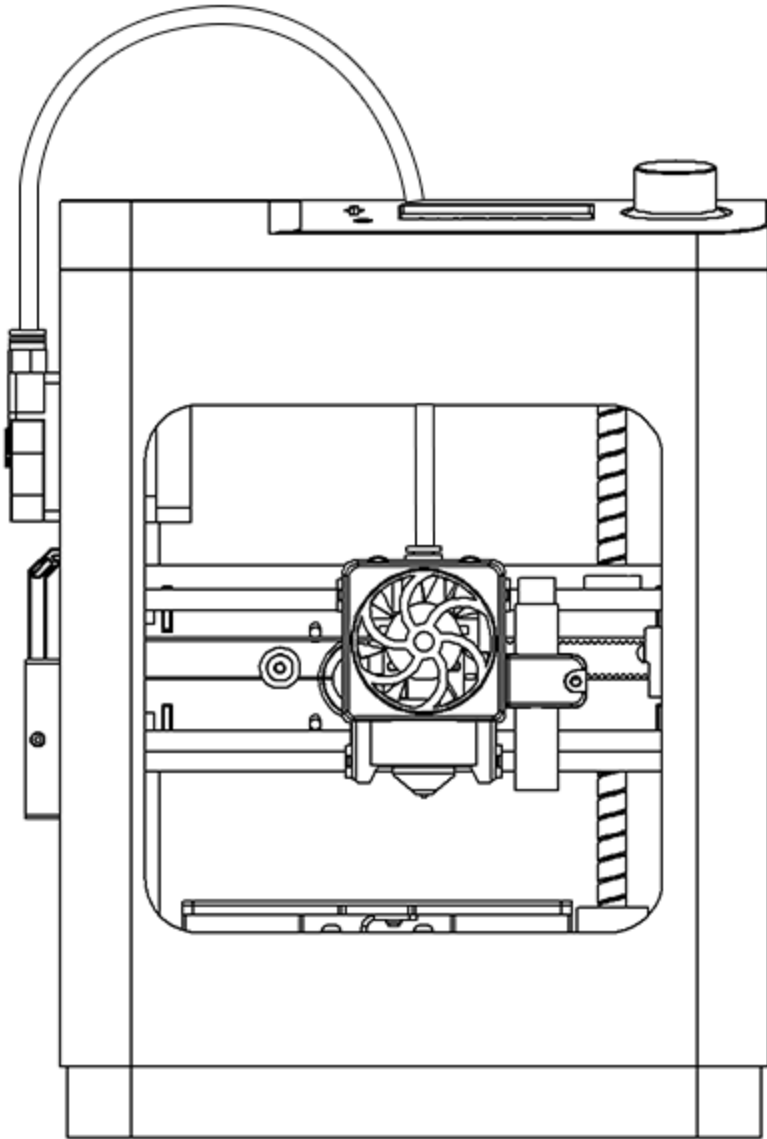
Please read this guide before using the device. This guide only applicable to TINA2 Plus. Once you use this product, it means that you have read and accepted the following safety warnings.

If you have any questions, you can email support@entina3d.com or contact **online service** in [Poloprint Cloud] app.

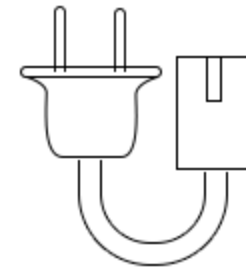
| SAFETY WARNINGS

1. Do not touch the nozzle or stepper motors, when the 3D printer is printing or just finished the printing job, the nozzle temperature is up to 230°C.
2. Do not expose this device to water or moisture of any kind. Do not place drinks or other containers with moisture on or near the device. If moisture does get in or on the device, immediately unplug it from the power outlet and allow it to fully dry before reapplying power.
3. Prior to operation, check power cord for physical damage. Don't use if physical damage has occurred.
4. Before plugging the unit into a power outlet, ensure that the outlet provides the same type and level of power required by the device.
5. Unplug this device from the power source when not in use.
6. Take care to prevent damage to the power cord. Do not allow it to become crimped, pinched, walked on, or become tangled with other cords. Ensure that the power cord does not present a tripping hazard.
7. Never unplug the unit by pulling on the power cord. Always grasp the connector head or adapter body.
8. Ensure that the 3D printer is turned off and unplugged from its power source before making repairs or performing service.
9. For more user operation, please refer to the video, manual and software in TF card.

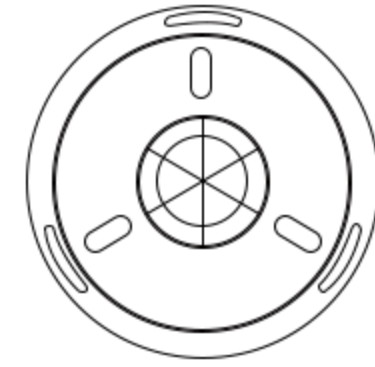
ACCESSORIES



power supply



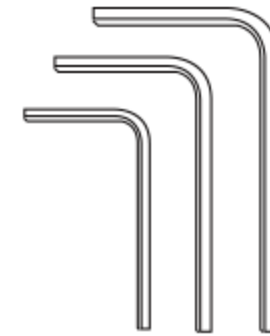
power cable



filament



glue stick



1.5/2.0/2.5mm
L wrench



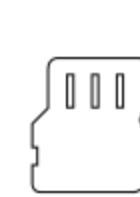
nozzle needle



Type-C



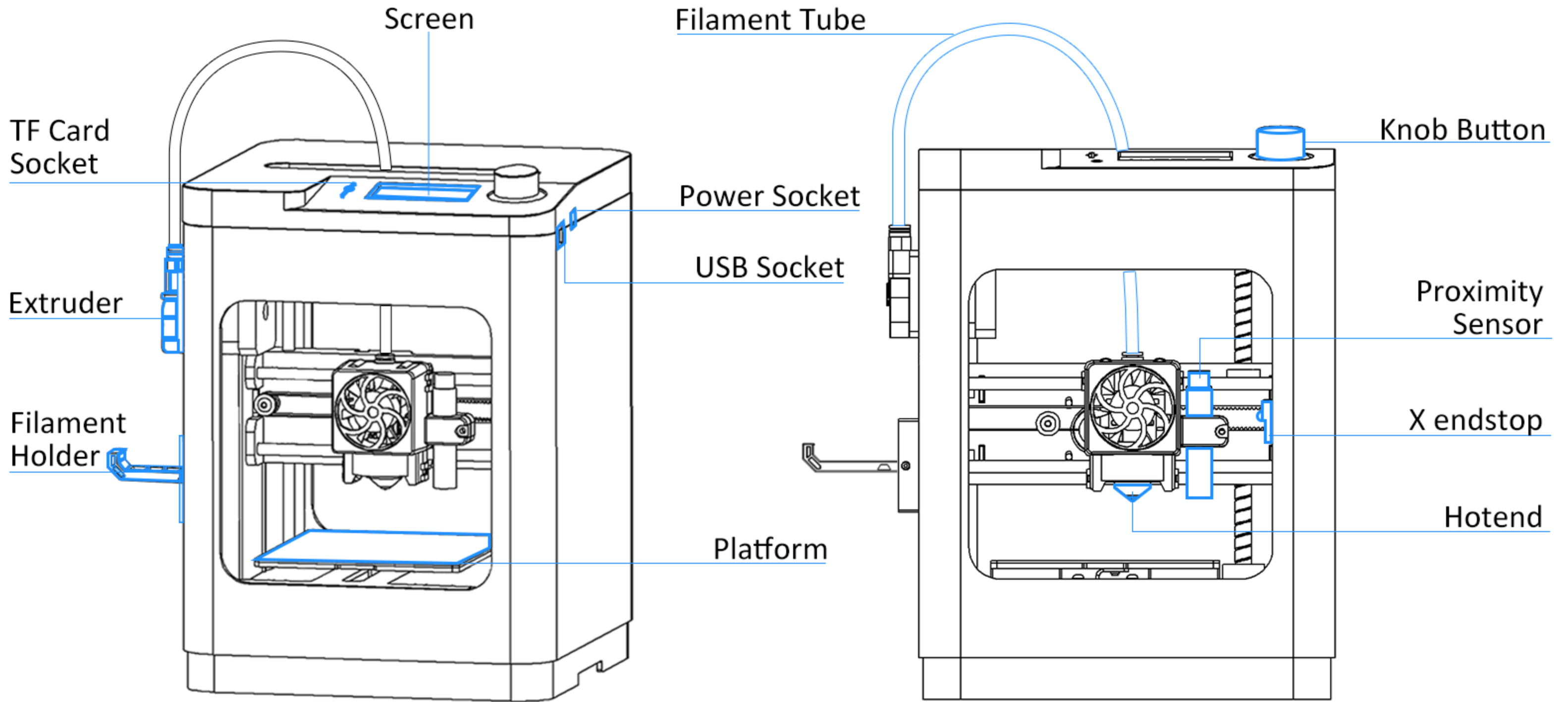
card reader



TF card

test models
software
manual and video

| PRODUCT OVERVIEW



| SPECIFICATION

Model TINA2 Plus	Product Volume 210*210*290 mm	Build Volume 100*110*100 mm	Motherboard R72Q
Weight 3Kg/6.6lbs	Nozzle Diameter 0.4mm	Input 100-240V~50/60Hz	Output 12V@8A,96W
Nozzle Temp ≤245°C	Heatbed Temp ≤80°C	Speed ≤150mm/s	Input TF Card / APP / WIFI / USB
Layer Thickness 0.1~0.4mm	Platform Flexible Spring Steel	Leveling Tech 9-Point Auto Bed Leveling	Environmental 15°C - 25°C

| SOFTWARE

Slicing Software Wiibuilder (Win/Mac) Cura (Win/Mac) Kiri (Chrome OS)	Input File Format STL/OBJ/AMF	Print Format Gcode	APP Poloprint Cloud (Android/iOS)
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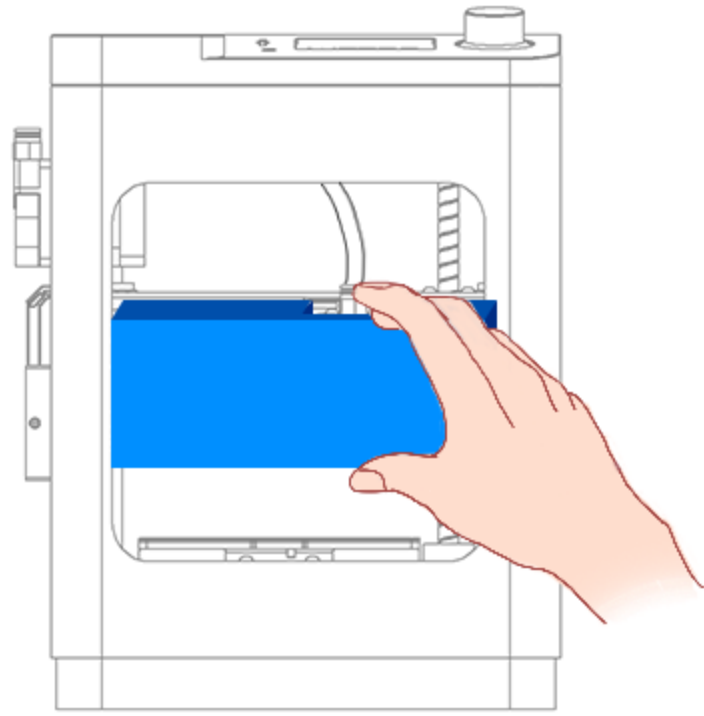
| FILAMENT

Filament Type PLA / PLA+ / TPU / PETG	Filament Diameter 1.75mm	Filament Temperature <245°C	Filament on Holder ≤500g
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Please use the filament provided by our company. Filaments have different specifications, which can clog and damage the nozzle. If the 3D printer fails due to the other brand filament, the warranty will not be granted.

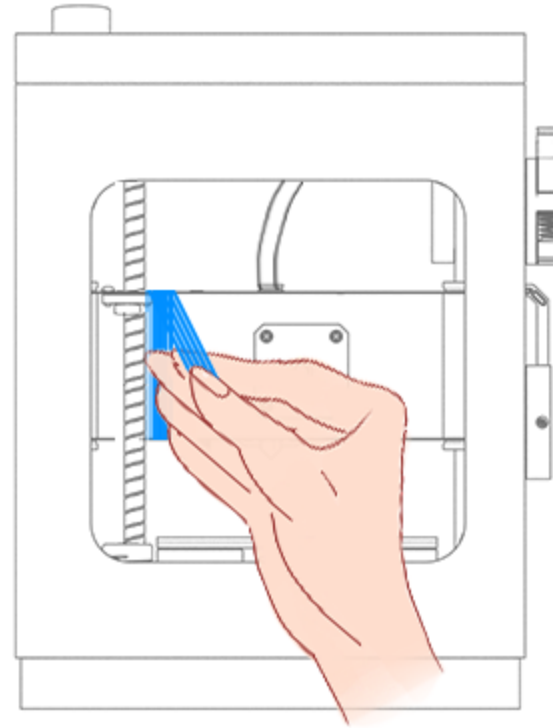
If the filaments are not used for a long time, please keep them sealed.

UNPACKING



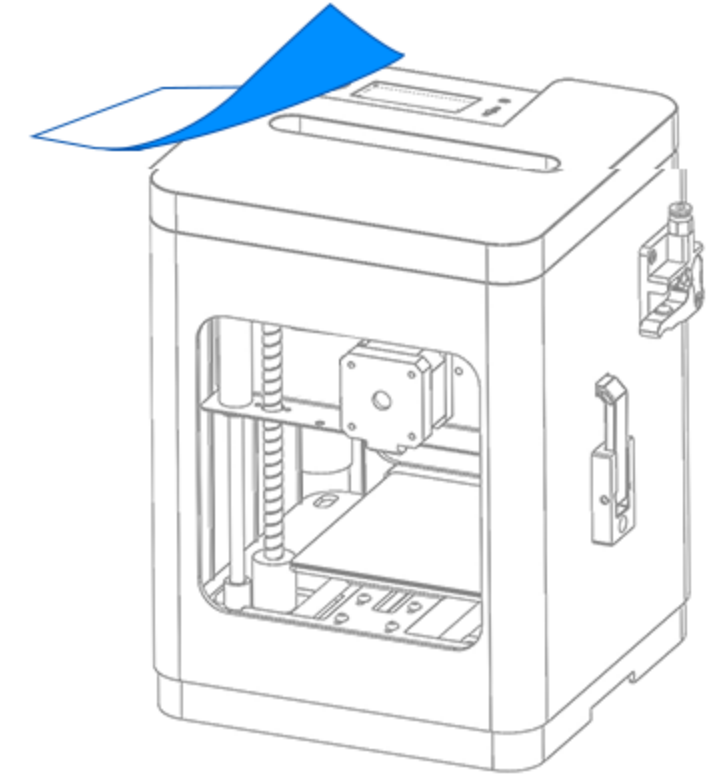
1. Remove the bubble wrap.

✓

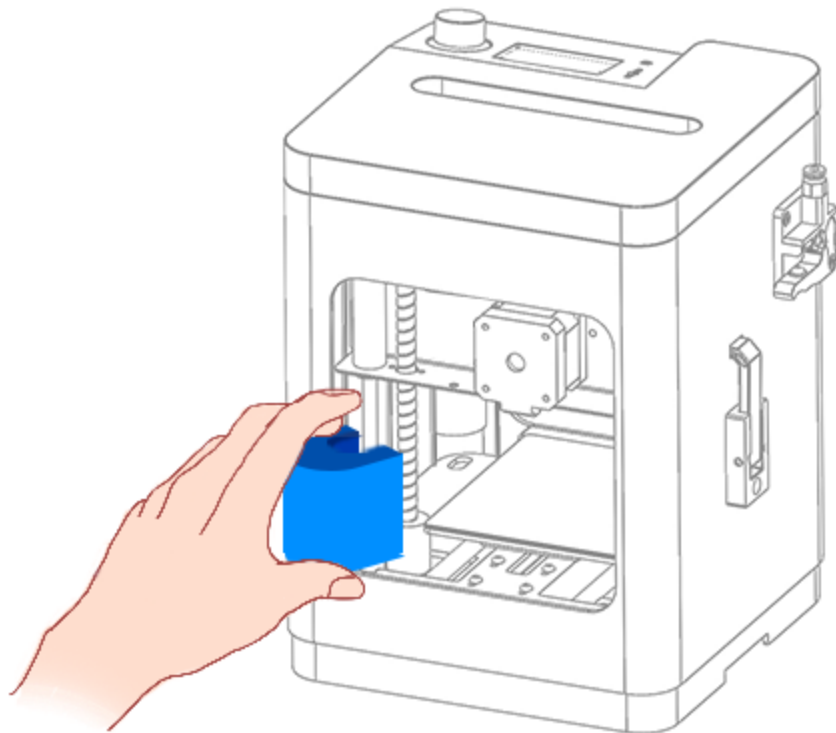


2. Peel off the tape near the Lead Screw.

✓

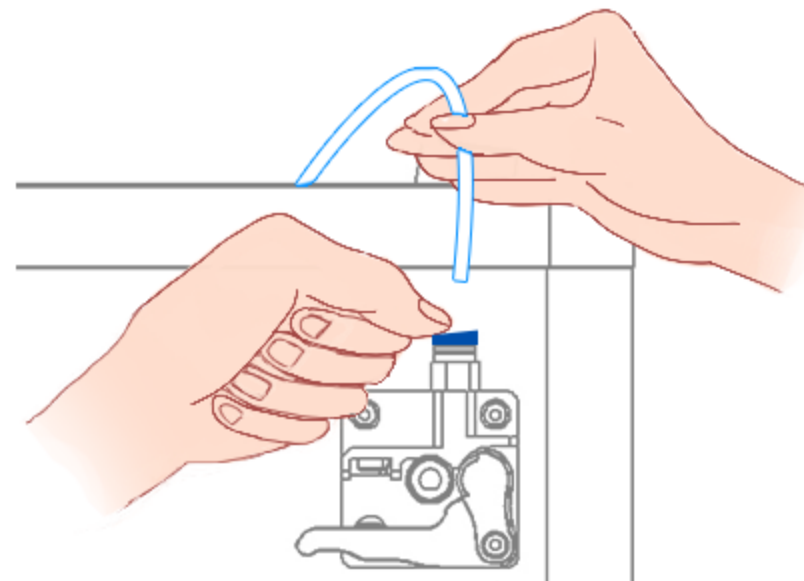


3. Remove the sticker.



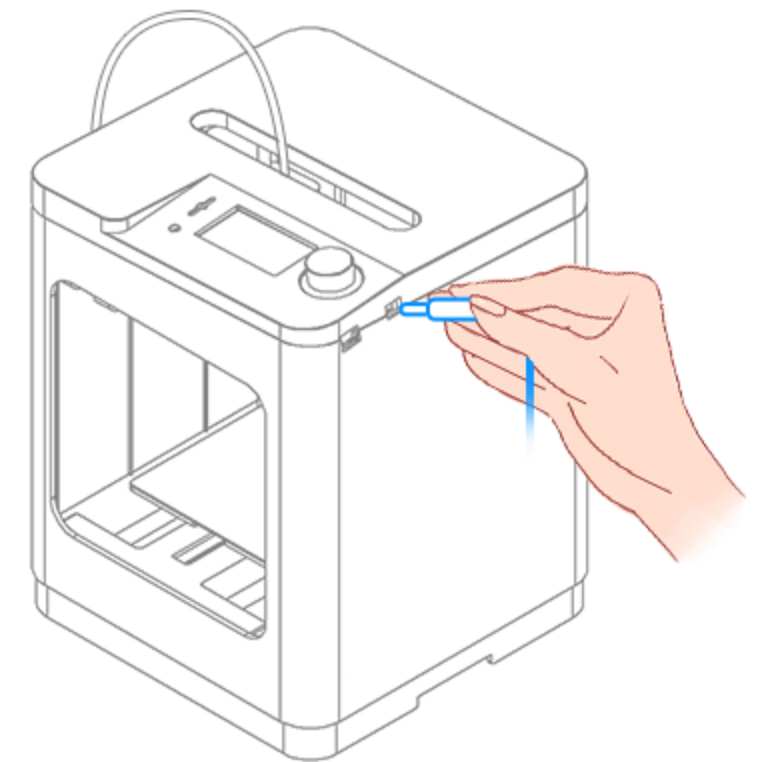
4. Remove the shaft coupling shell.

✓

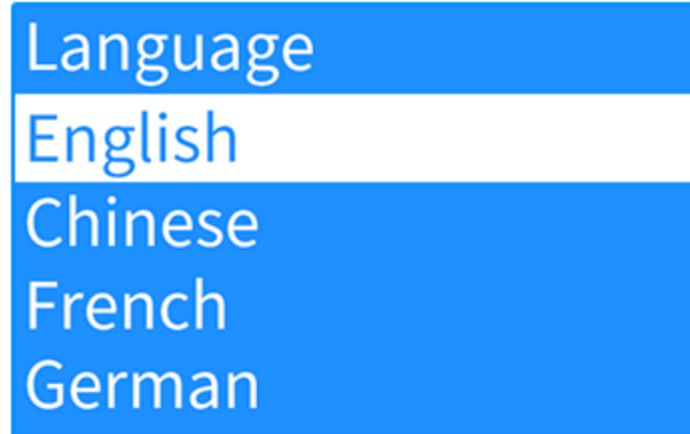


5. Press tube fitting to insert filament tube into extruder.

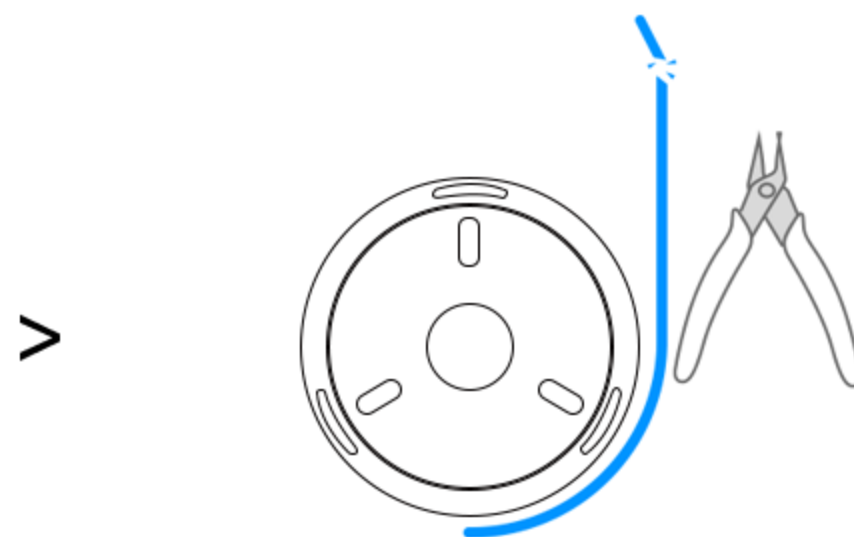
✓



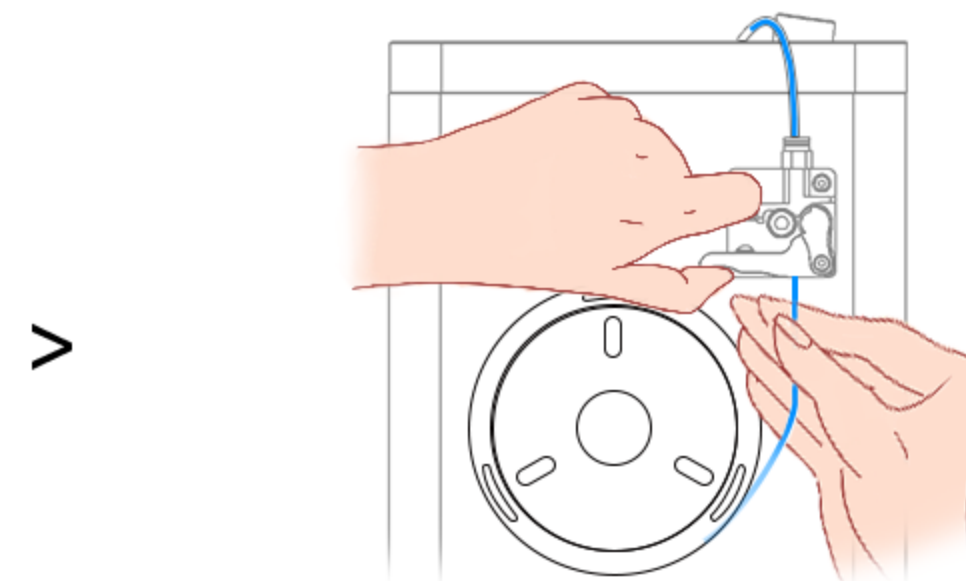
6. Plug in the power and turn on the printer.



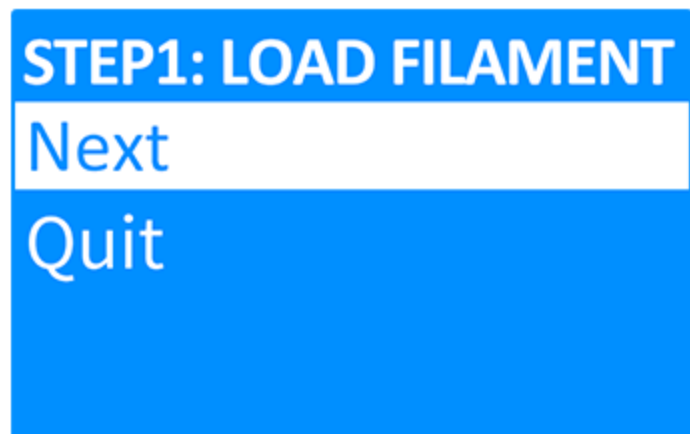
7. Select the language.



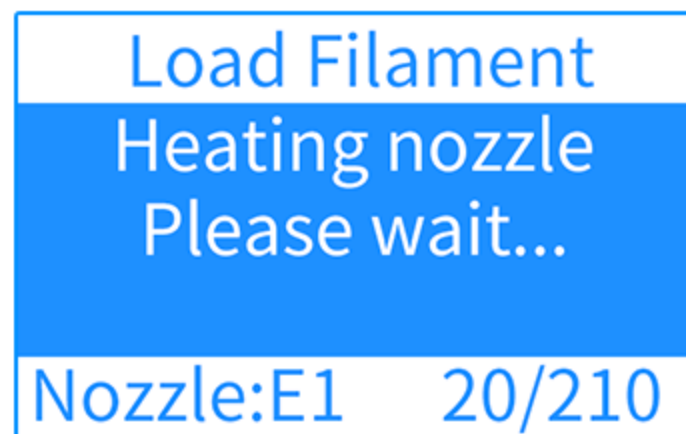
8. Cut a bevel of the filament.



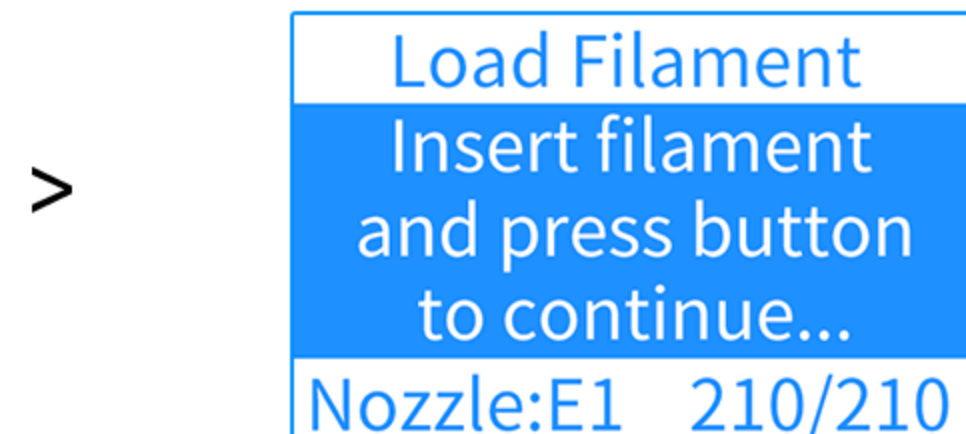
9. Insert filament until entering nozzle.



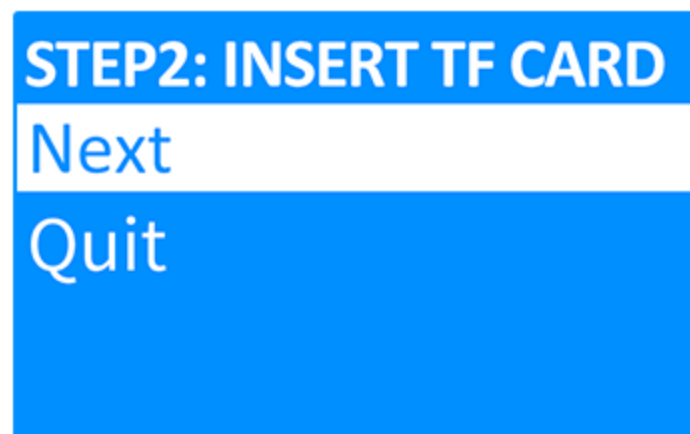
10. Click "Next".



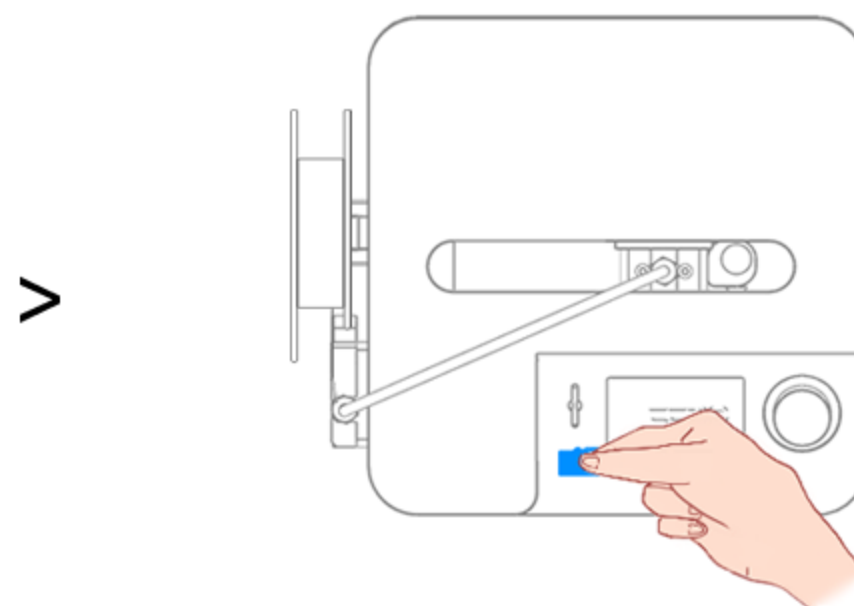
11. Wait for heating to 210°C.



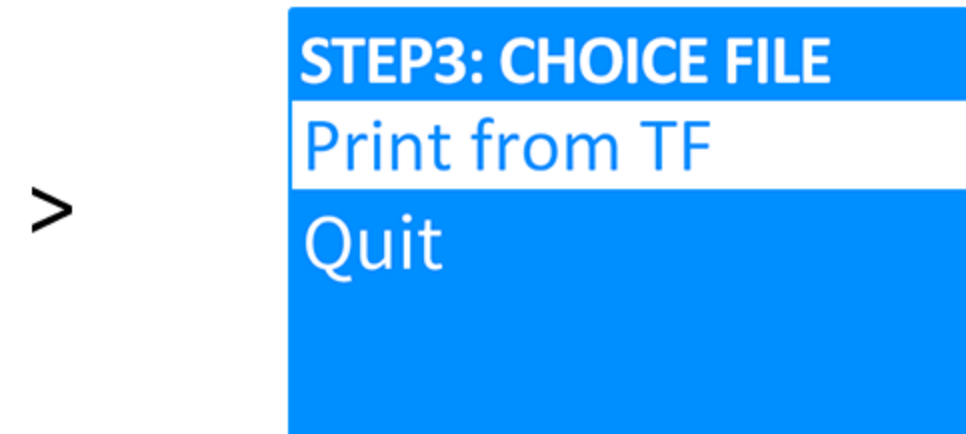
12. Follow the prompts.



13. Click "Next".



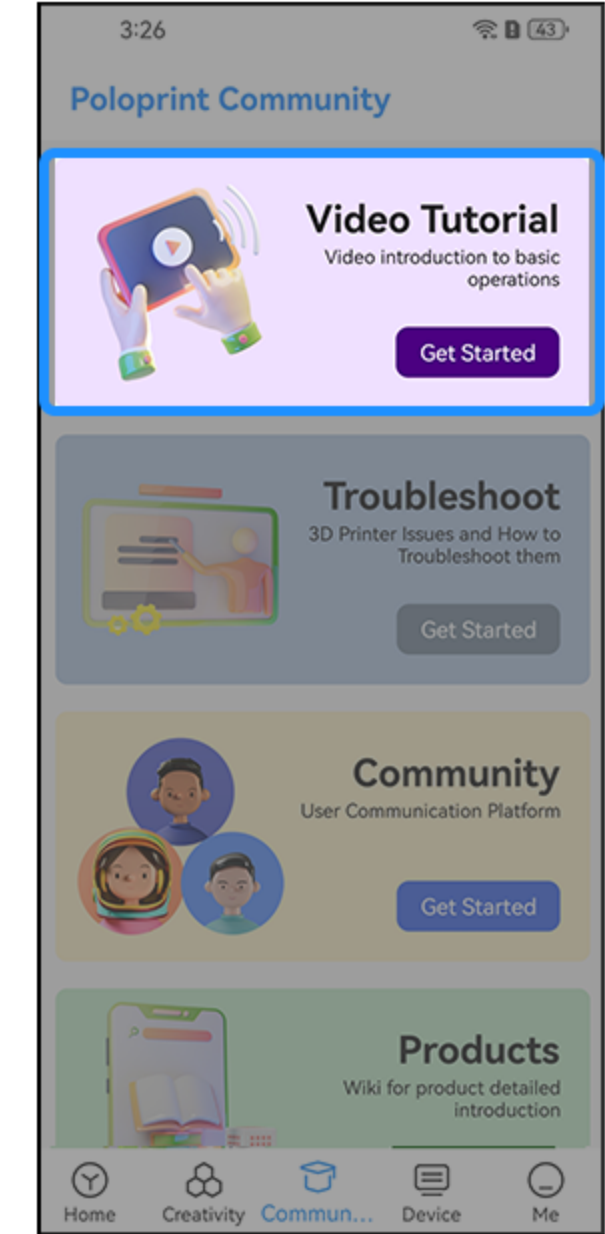
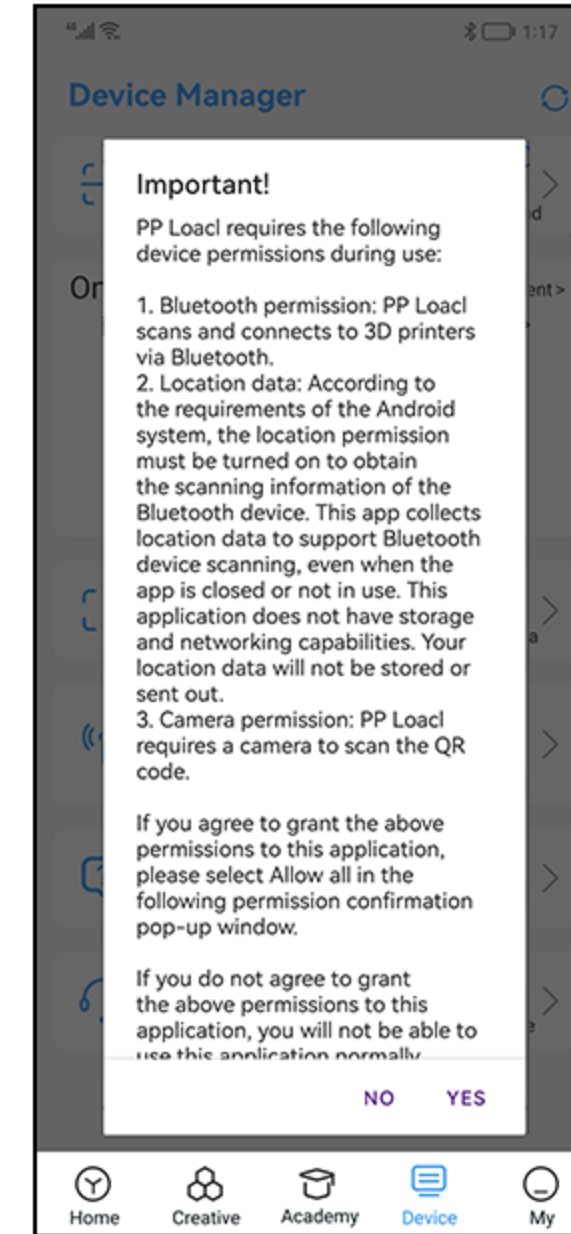
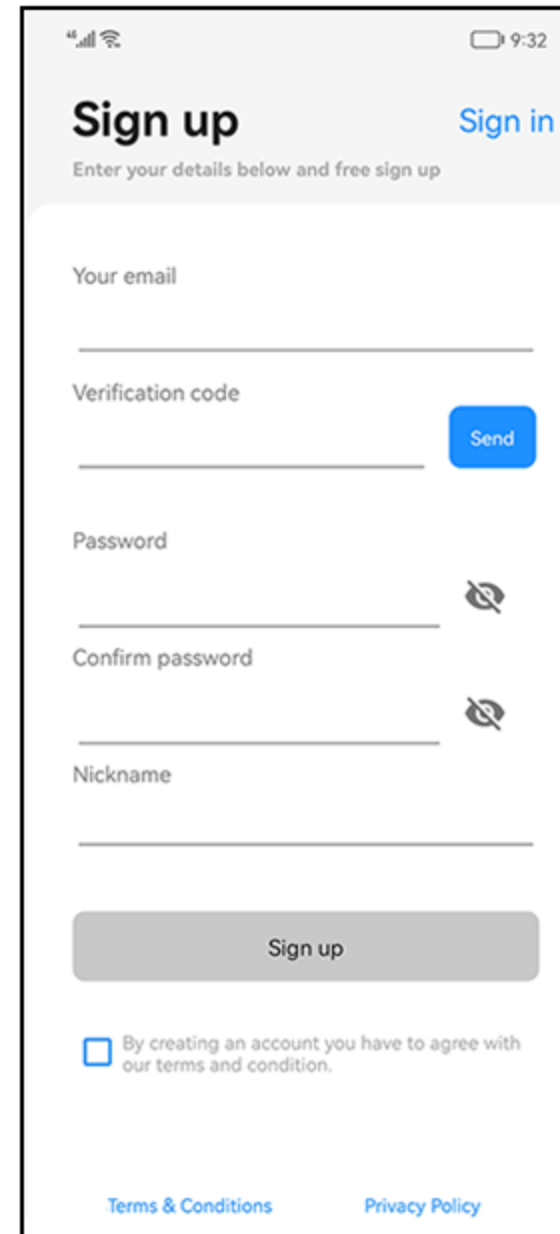
14. Insert the TF card, pay attention to its direction.



15. Click "Print from TF". Select a model to print.

| APP

① Poloprint Cloud -- install



1. Scan or search to download Poloprint Cloud.

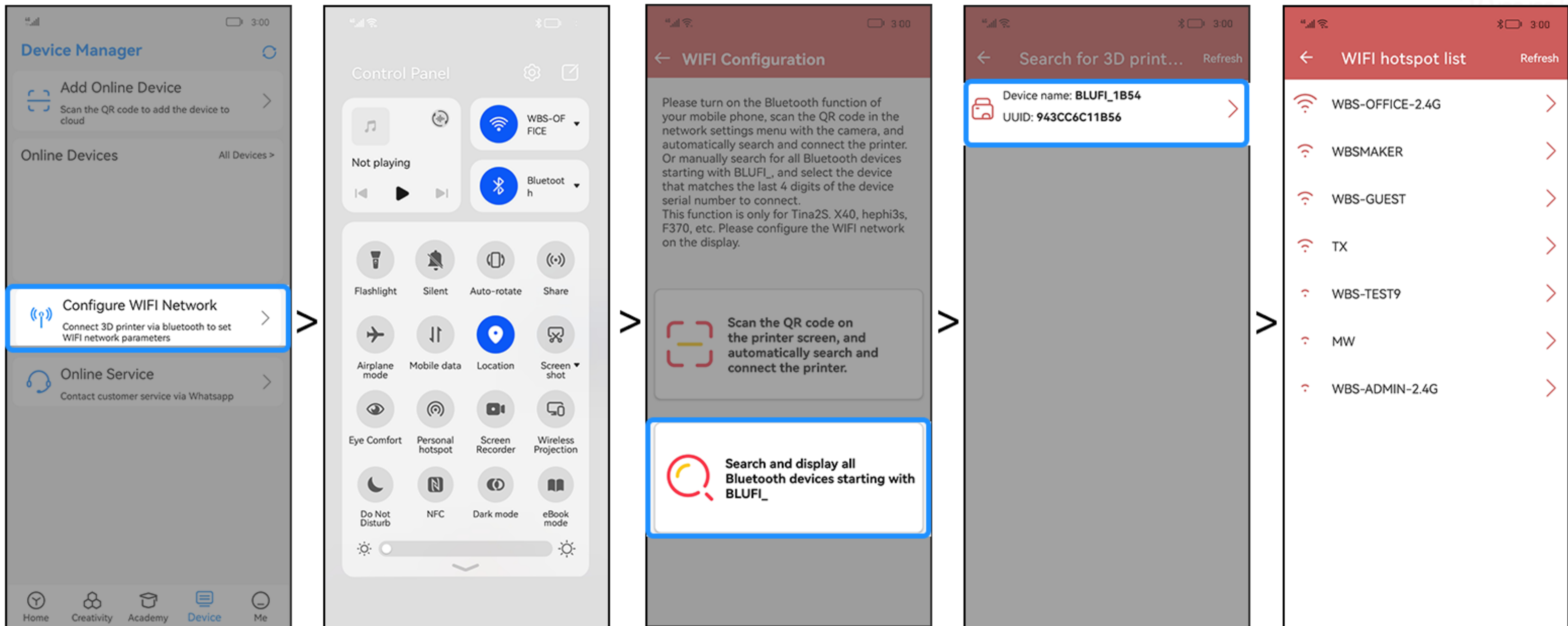
2. Sign up.

3. Click "Device" , allow all permissions.

4. All operation videos can be viewed.

Note: 1. If you are a beginner, please check out the video tutorial.
2. Please agree to "ALLOW ALL THE TIME".

② Poloprint Cloud -- configure WIFI for 3D printer



1. Choose "WIFI Configuration".

2. Turn on "Bluetooth" and "Location Services".

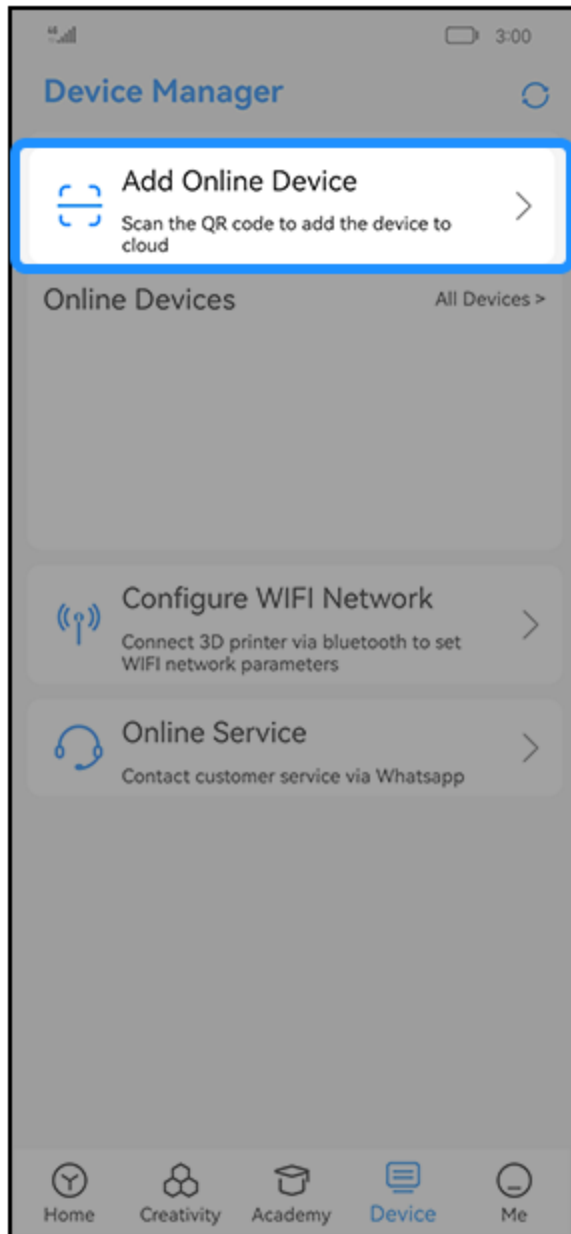
3. Search the device.

4. Click the device.

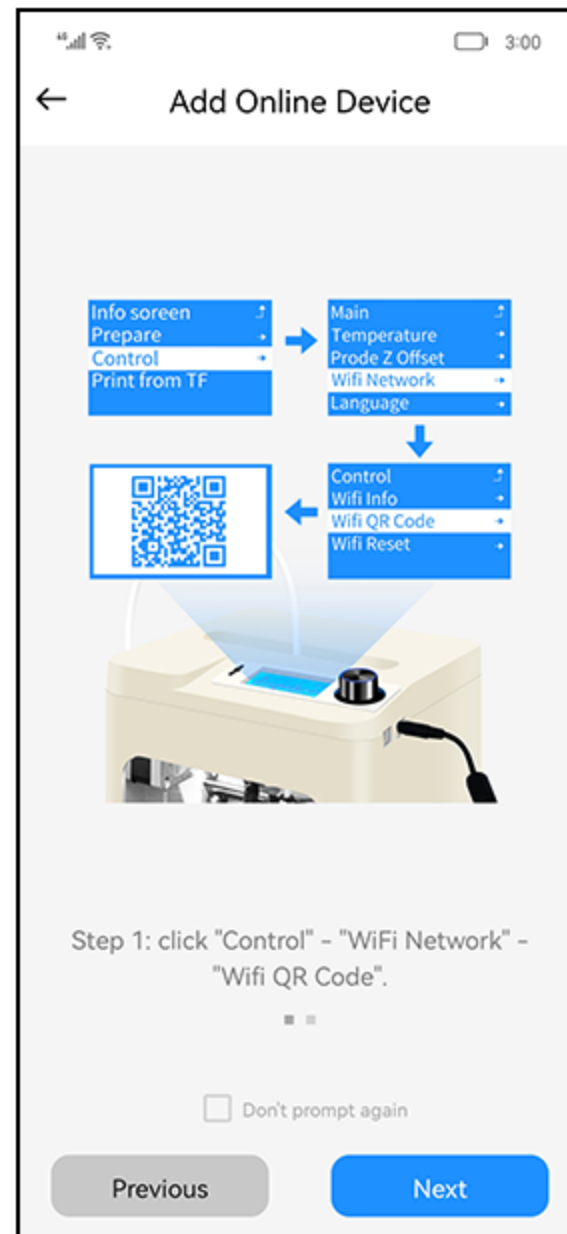
5. Select WiFi, enter your WiFi password.

Note: 1. The list will only show 2.4G network. Doesn't support 5G.
2. Tina2s will display the IP on the screen if the connection is successful.

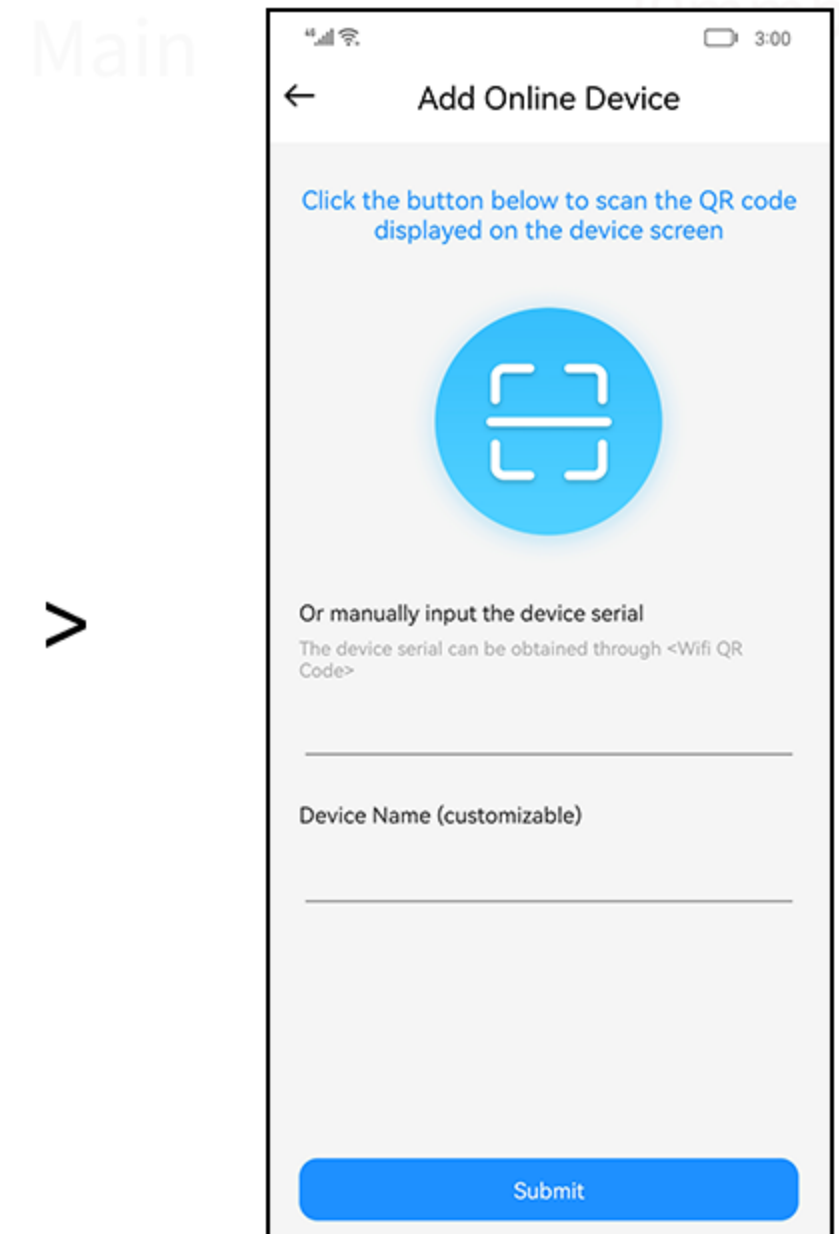
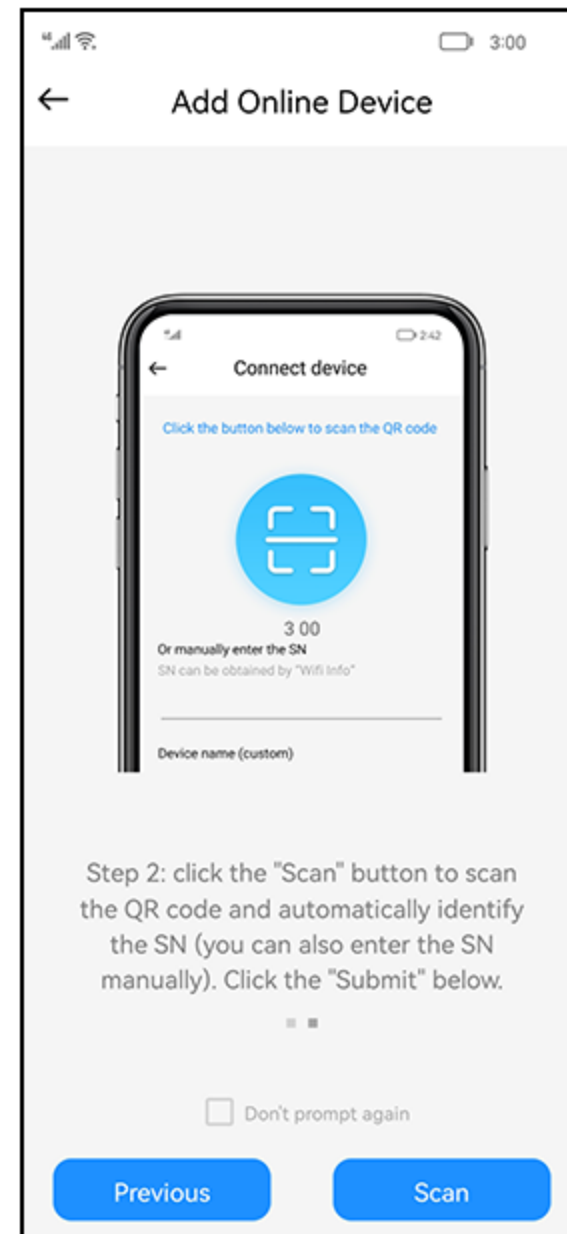
③ Poloprint Cloud -- connect 3D printer



1. Click "Add online device".

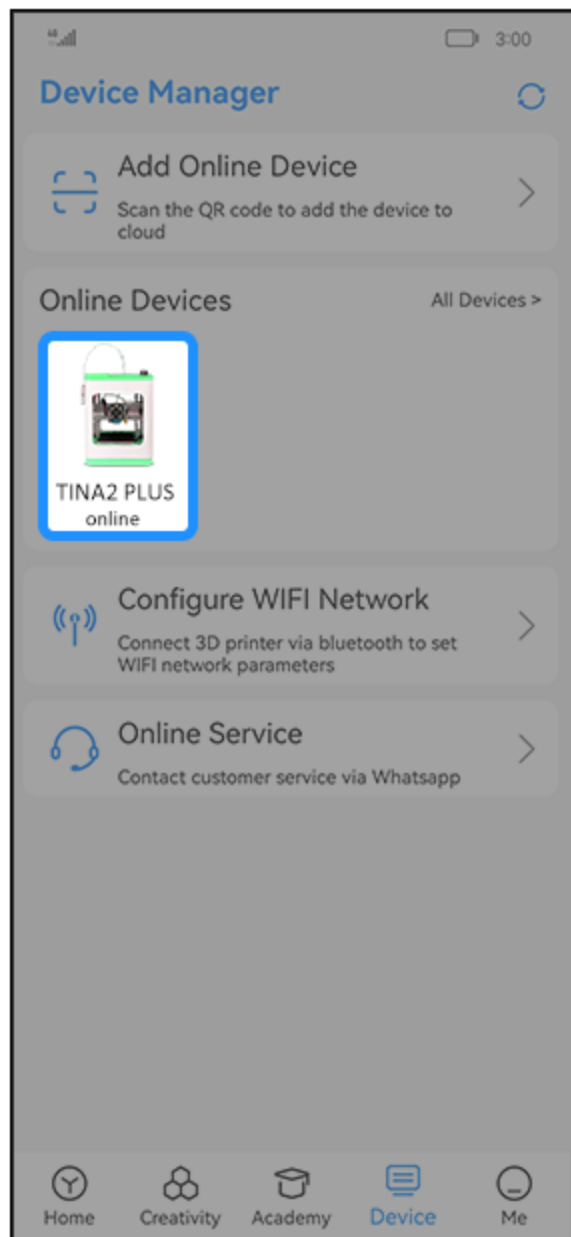


2. Operate according to the tutorial.

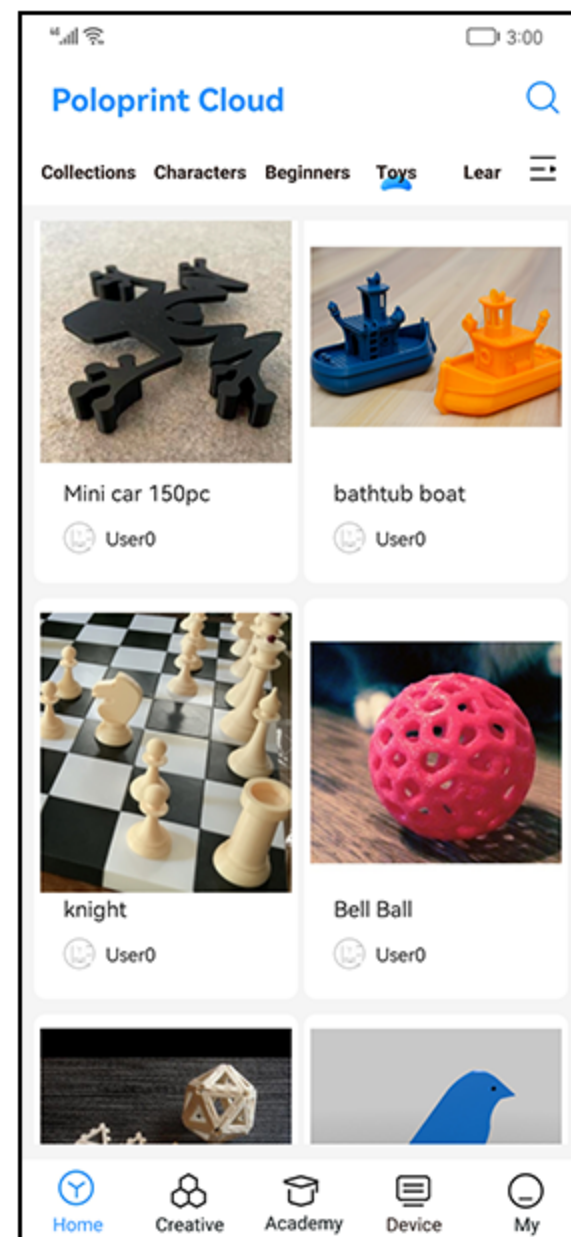


3. Scan and submit.

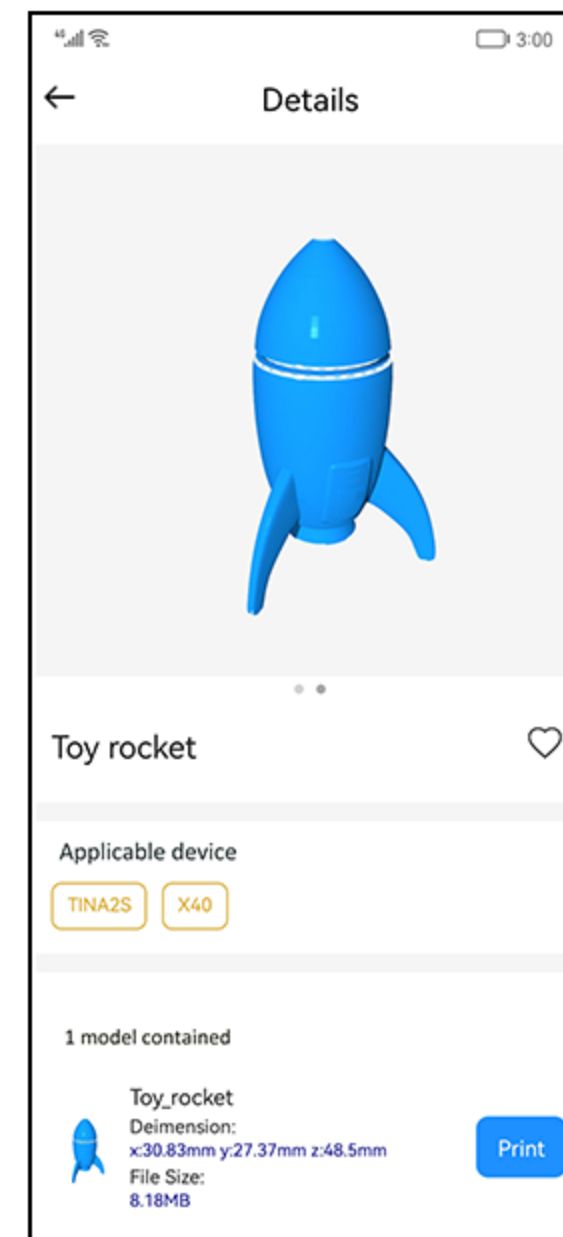
④ Poloprint Cloud -- print model



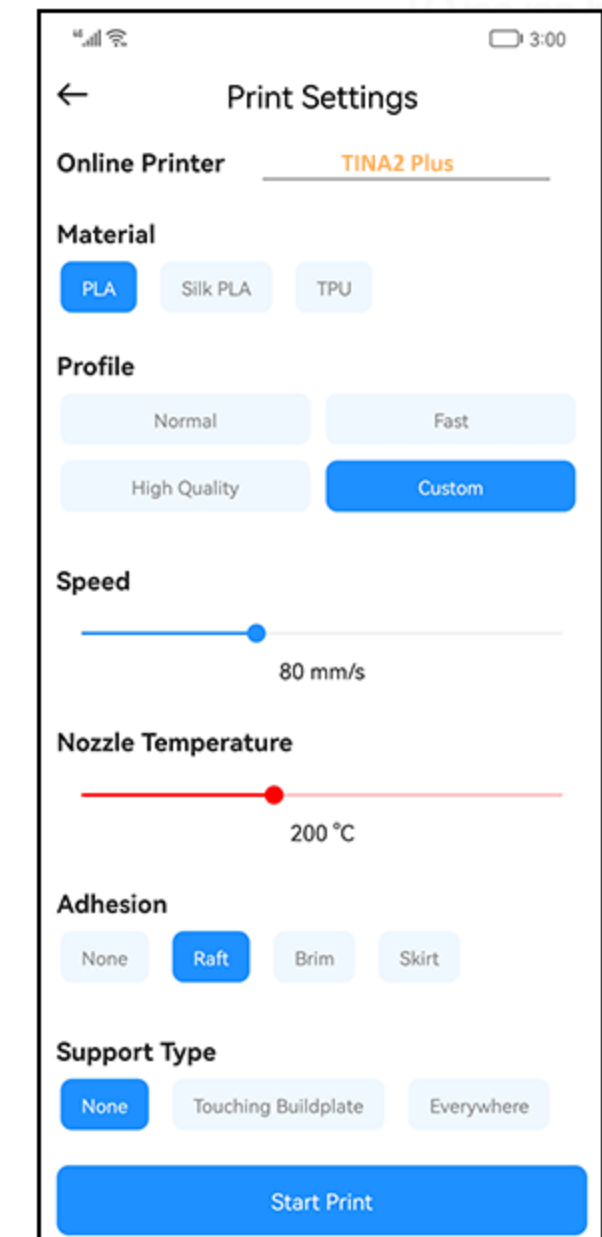
1. After the device is "online".



2. Choose a model.



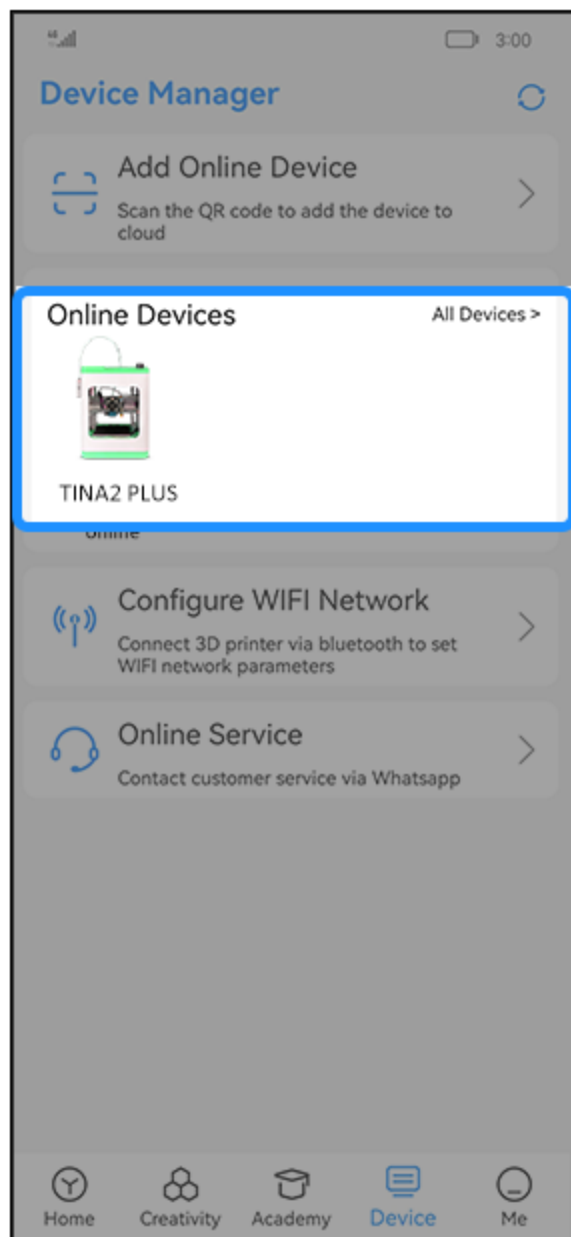
3. Click "Print".



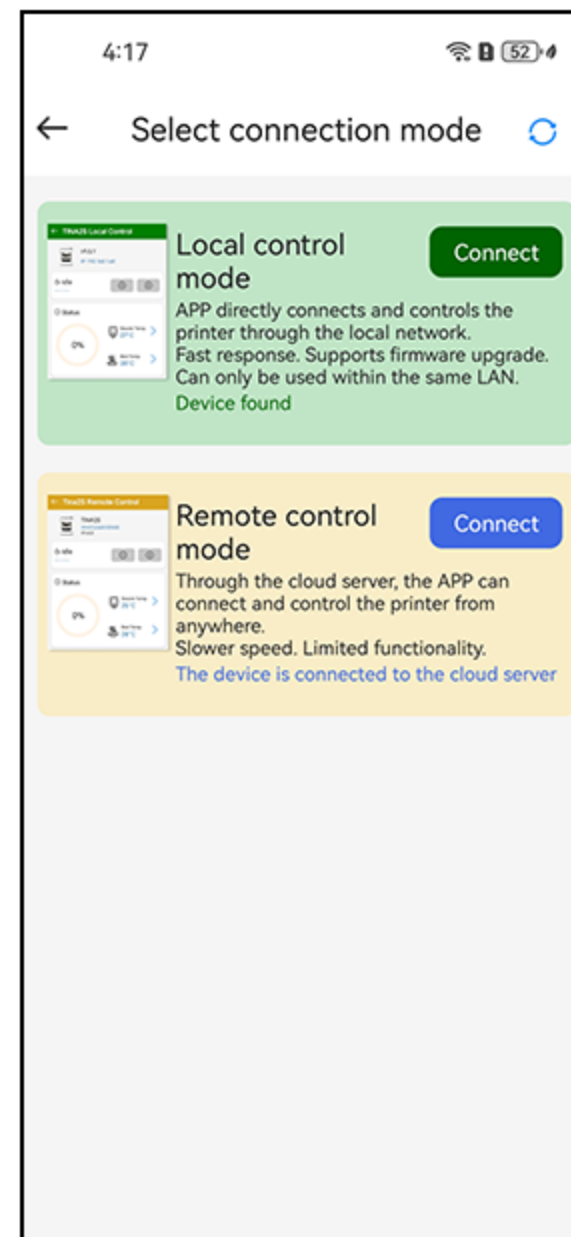
4. Set slice parameters, click "Start Print".

Note: 1. The TF card must be inserted, otherwise the transmission will fail.
2. Click "Custom" to select more parameters.

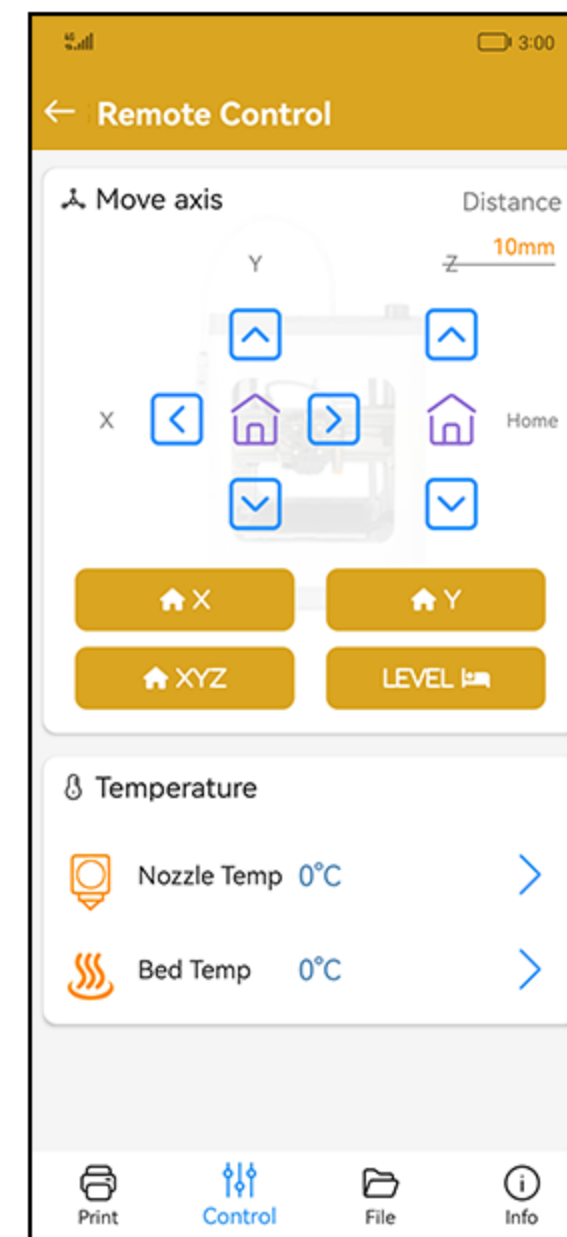
⑤ Poloprint Cloud -- control 3D printer



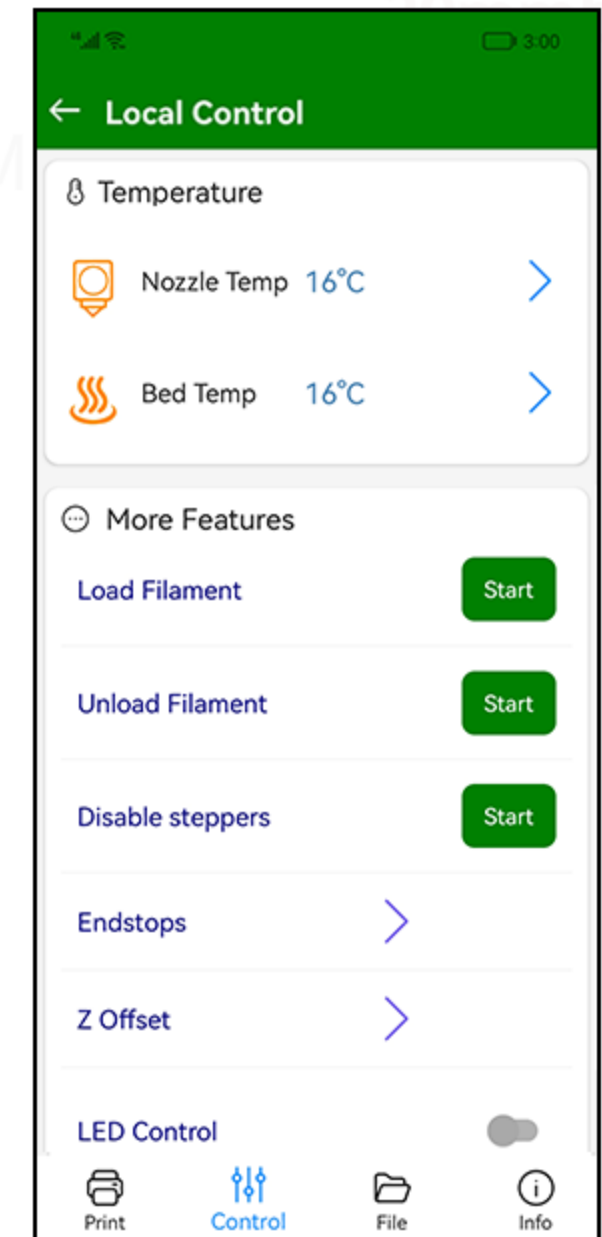
1. Click the device.



2. There are two modes depending on the network.



3. Under different networks, it is "remote control".

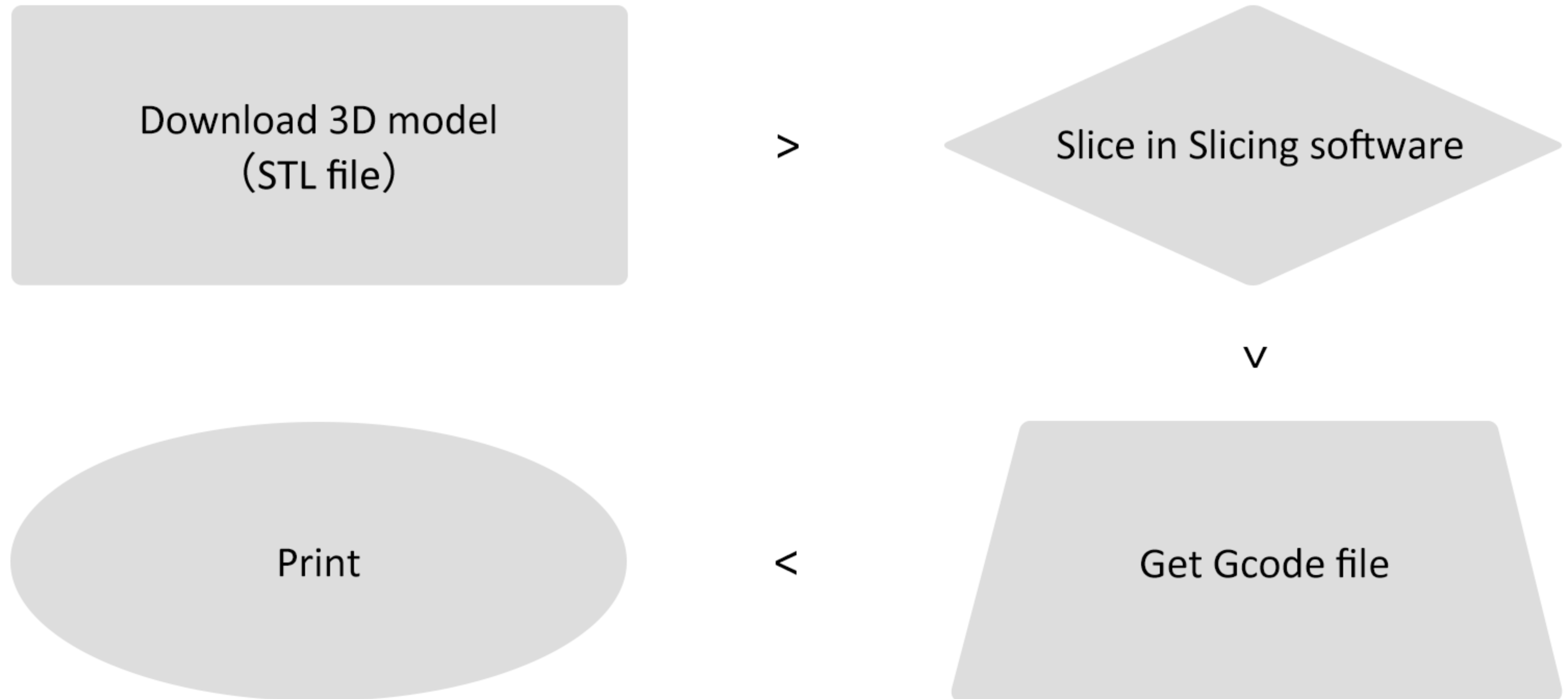


4. Under the same network, it is "local control".

Note: 1. "Local control" can only be used within the same 2.4G LAN.
2. "Local control" has more control functions.

| 3D printing flow chart

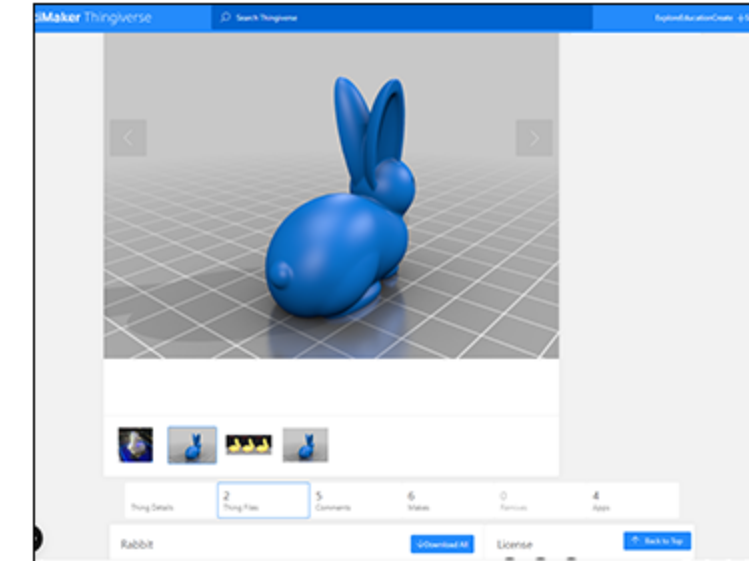
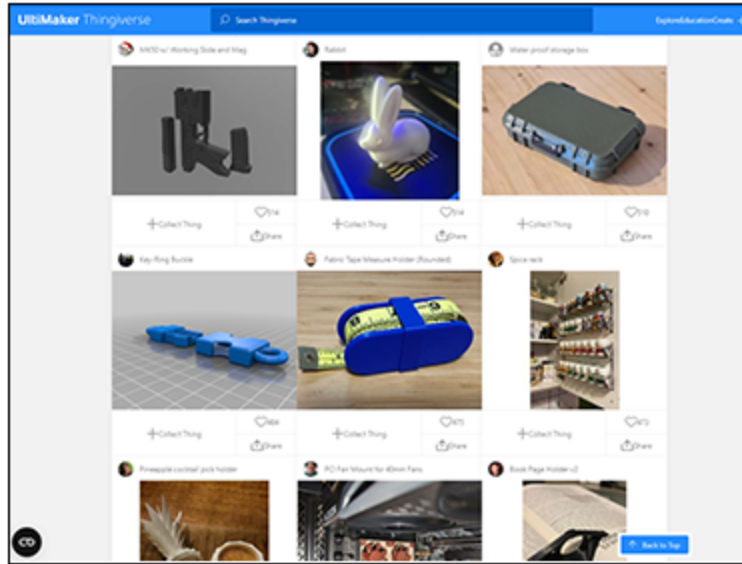
3D models downloaded from websites are usually STL files and cannot be directly recognized by 3D printers. The model needs to be processed in slicing software to generate Gcode files for printing.



- Note:**
1. Slicing software is installed on the computer. Common options: Wiibuilder, Cura.
 2. Wiibuilder is self-developed with a friendly interface and is recommended.

| SLICING SOFTWARE

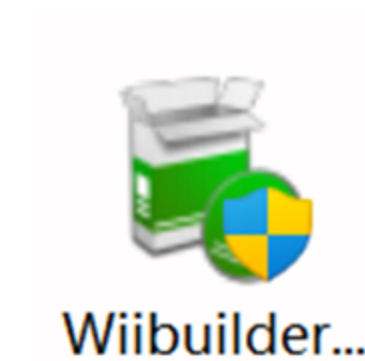
① Download more models



1. Open the 3D model website, such as **【Thingiverse】** .

2. Select the model you want and download the STL file.

② **Wiibuilder** -- install slicing software



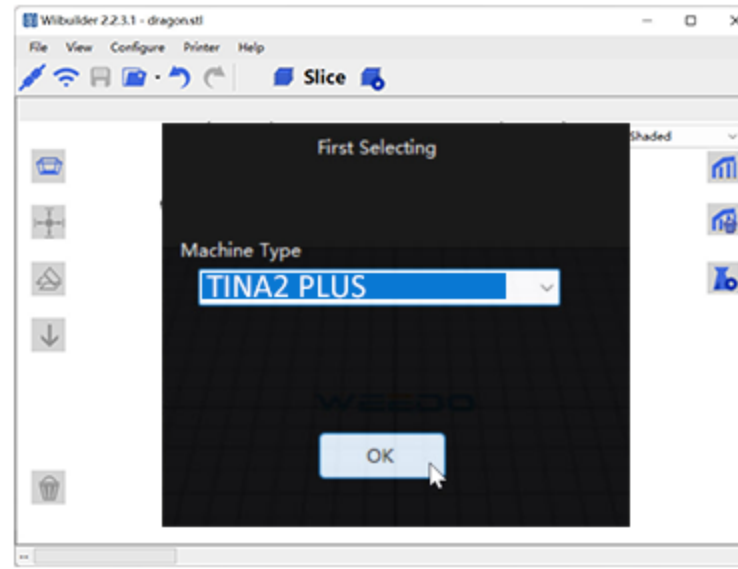
1. The installation is stored in the TF card, copy it to the desktop and unzip it.

2. Double-click the program to install Wiibuilder on the computer.

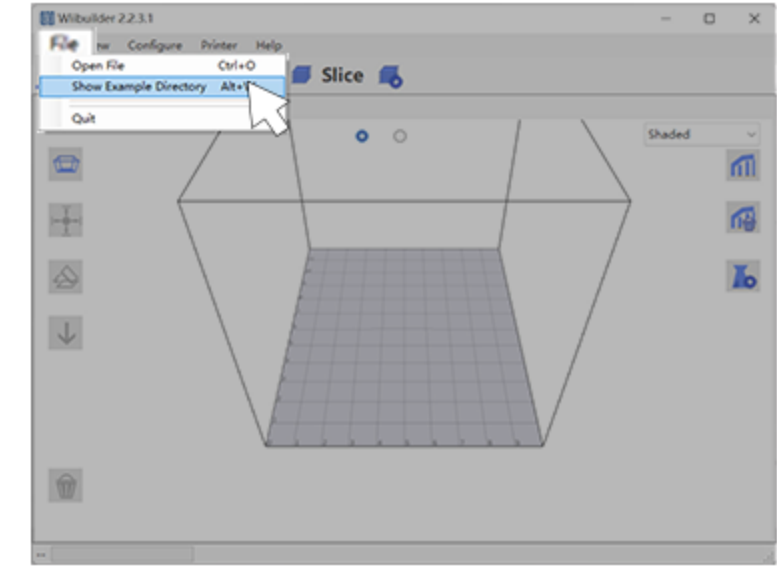
③ Wiibuilder -- slice



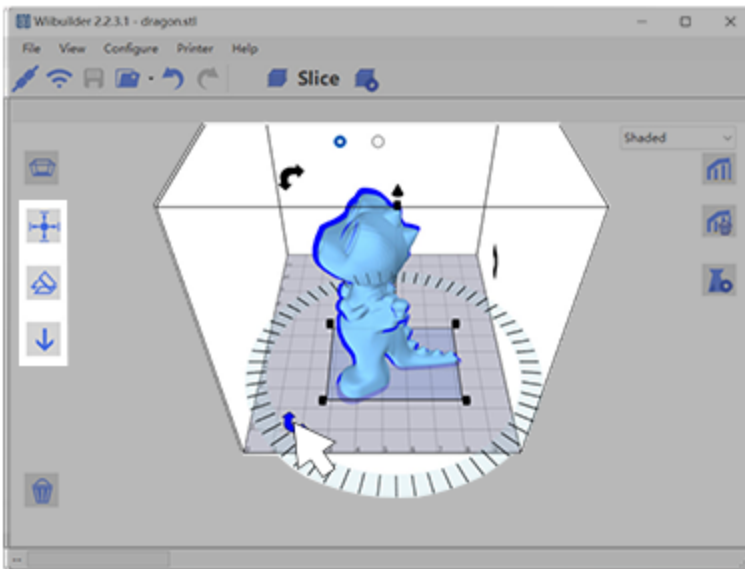
1. Open Wiibuilder.



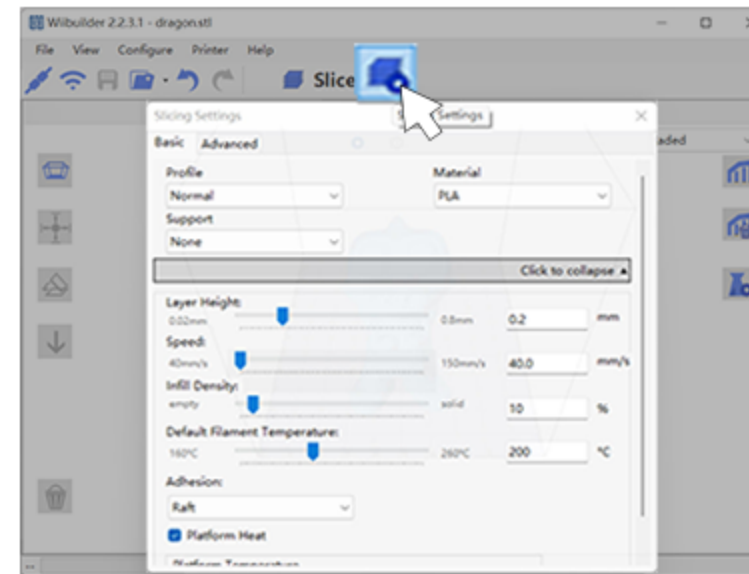
2. Be sure to choose "TINA2 PLUS".



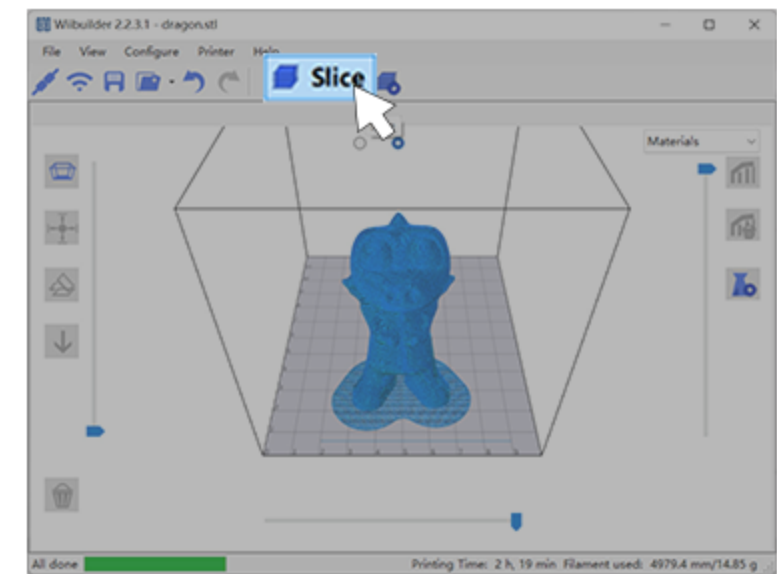
3. Click "File" to load STL file or just drag the model into it.



4. Click and adjust the model.



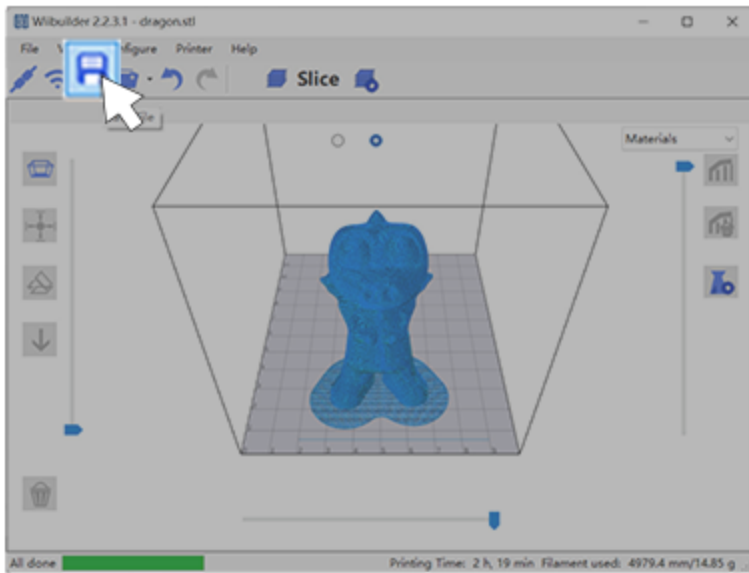
5. Set slicing parameters .



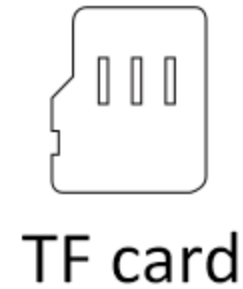
6. Click "Slice", get Gcode file.

Note: For detailed slicing instructions, please refer to user manual in the TF card.

④ Print the file via TF card



1. Click "Save File".

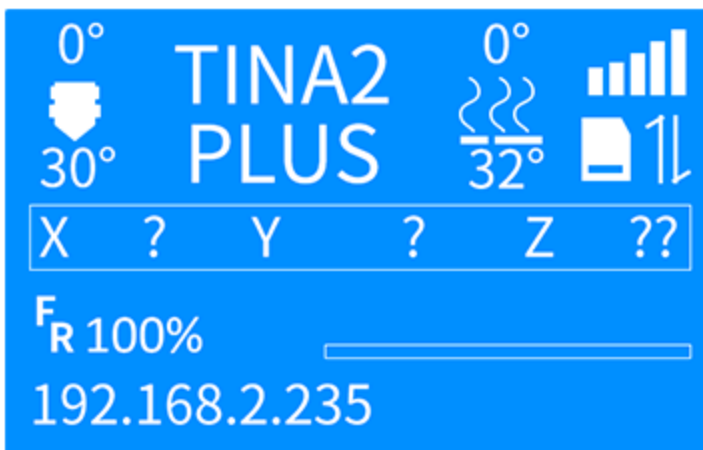


2. Save Gcode file to the TF root.

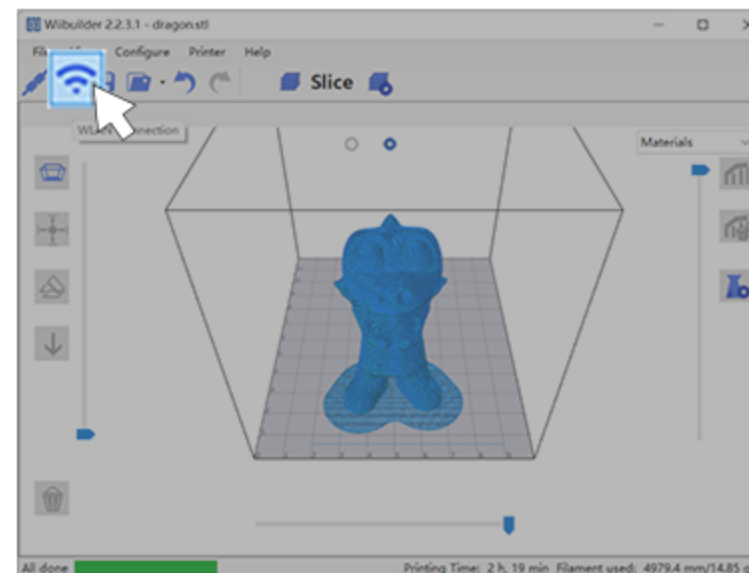


3. Insert the TF card into the printer. Print the file.

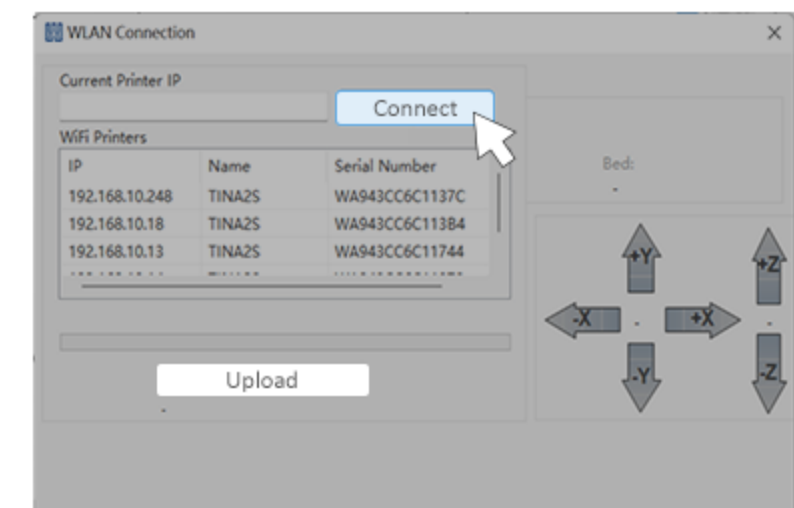
⑤ Print the file via network



1. The info screen show the IP address.



2. Click "WLAN Connection".



3. Choose IP address, click "Connect", "Upload".

COMMON OPERATIONS

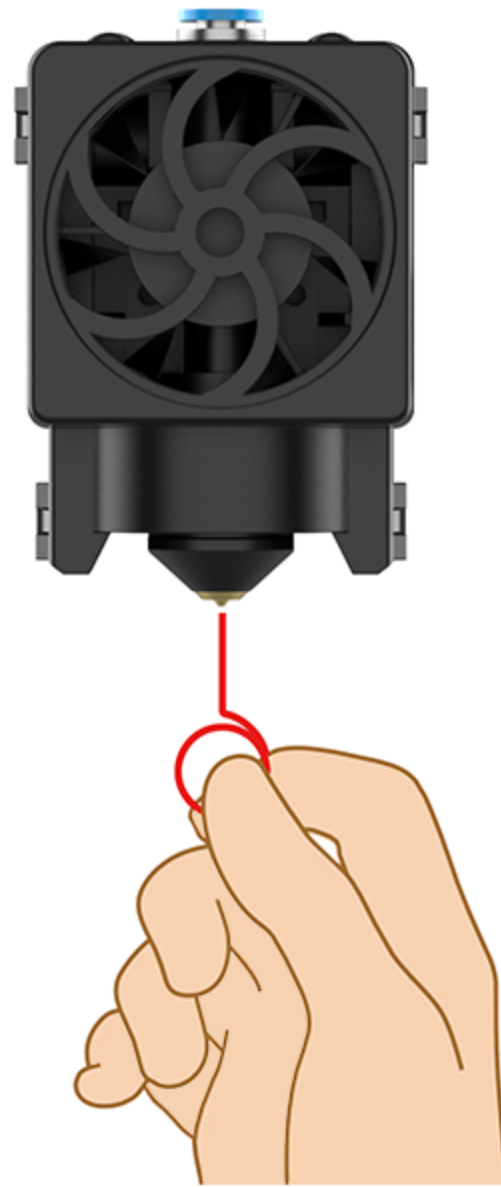
① What should I do if the nozzle is clogged?

The nozzle will be clogged due to the damp filament, so the nozzle should be cleaned regularly or replace hotend.

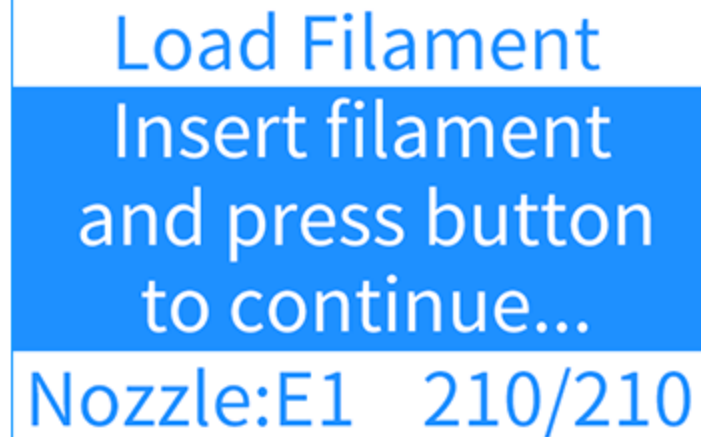


Main
Change Filament
Load Filament
Unload Filament

1. Click "Load Filament" and wait for heating to 210°C.

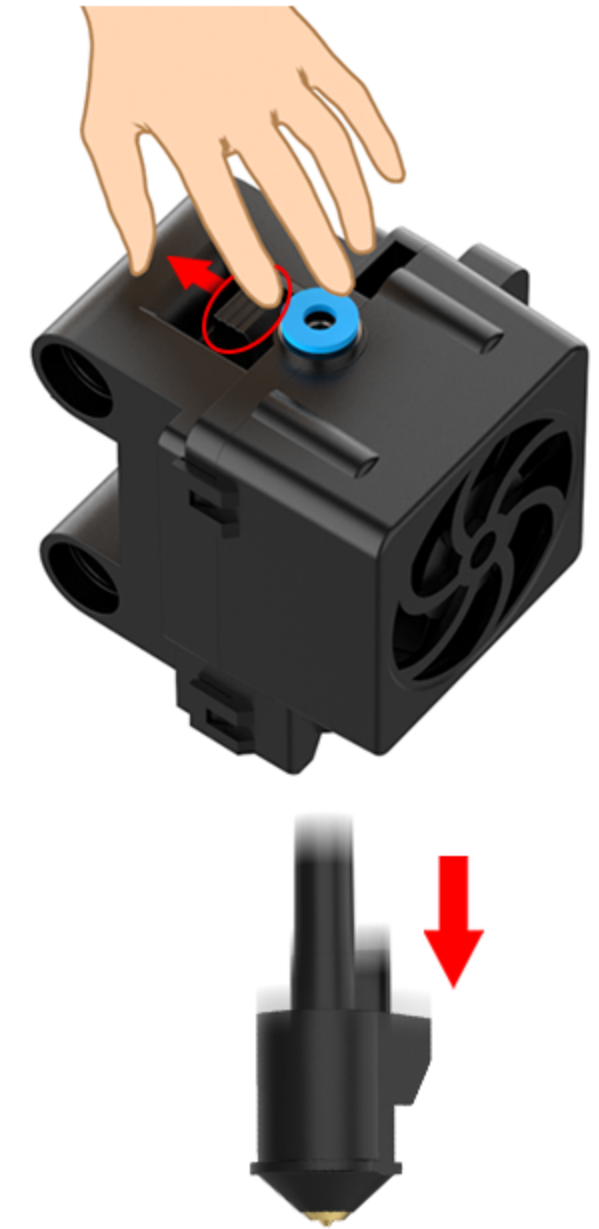


2. Push a needle through the nozzle.



Load Filament
Insert filament
and press button
to continue...
Nozzle:E1 210/210

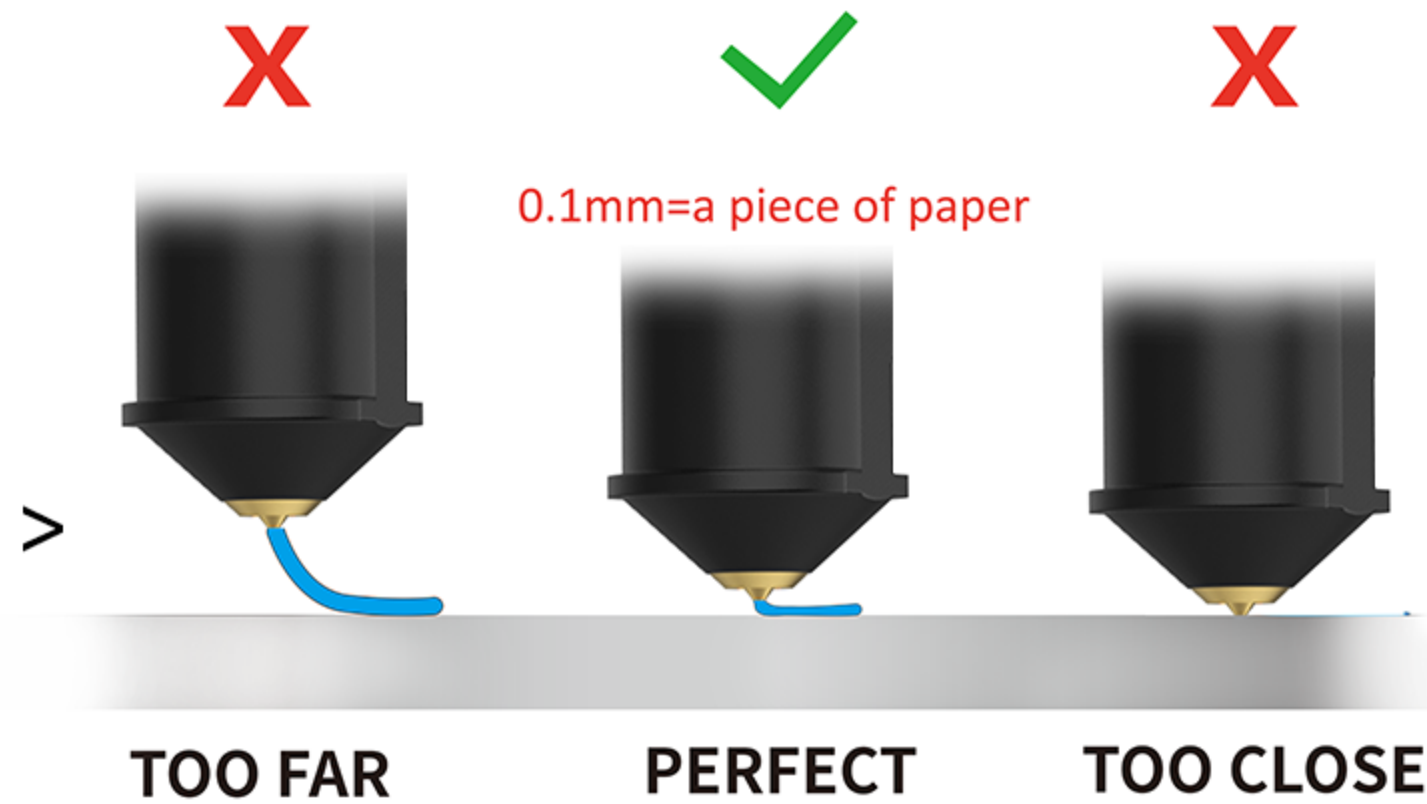
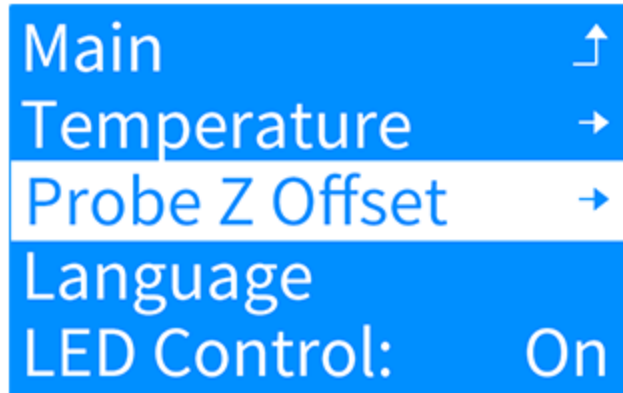
3. If the blockage has been cleared, the filament will slip through the nozzle.



4. If unsuccessful, click "Unload Filament", hold the switch and replace a new hotend.

Note: Be careful not to burn yourself.

② What should I do if my model doesn't stick?



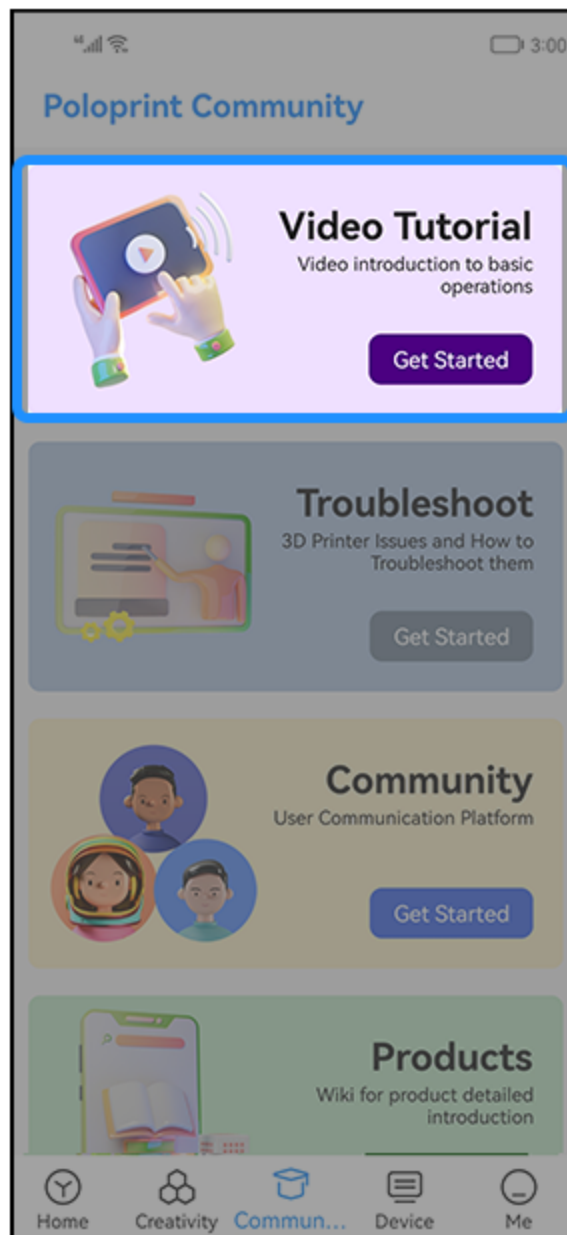
1. Use the Z-Offset function.

2. Adjust the nozzle-platform gap.

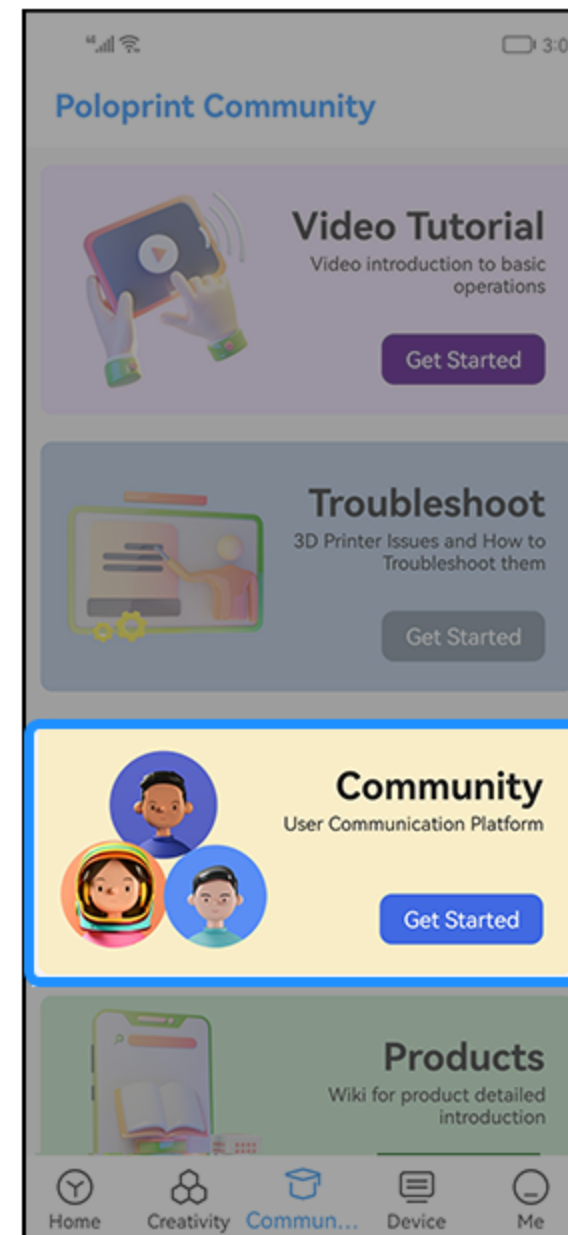
3. Apply glue to the platform.

HELP

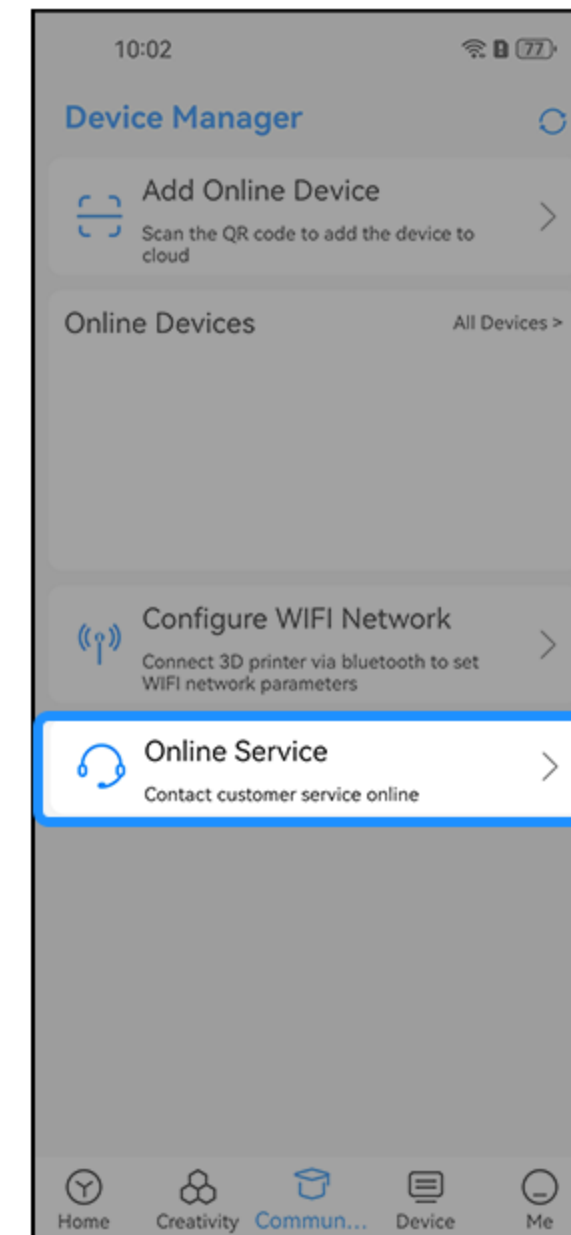
1. Users can inquire more about 3D printer knowledge in Poloprint Cloud and manual.
2. If you have problems that cannot be solved, please contact technical support. You can check **【Community】** , or **【Online Service】** in Poloprint Cloud.



All operation videos can be viewed.



User communication.



Online Service.