

# Quick Start Guide

## | NOTES

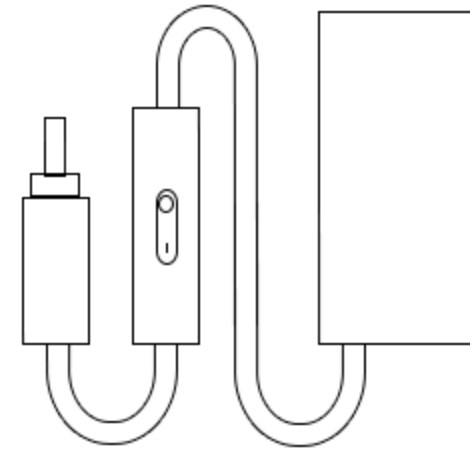
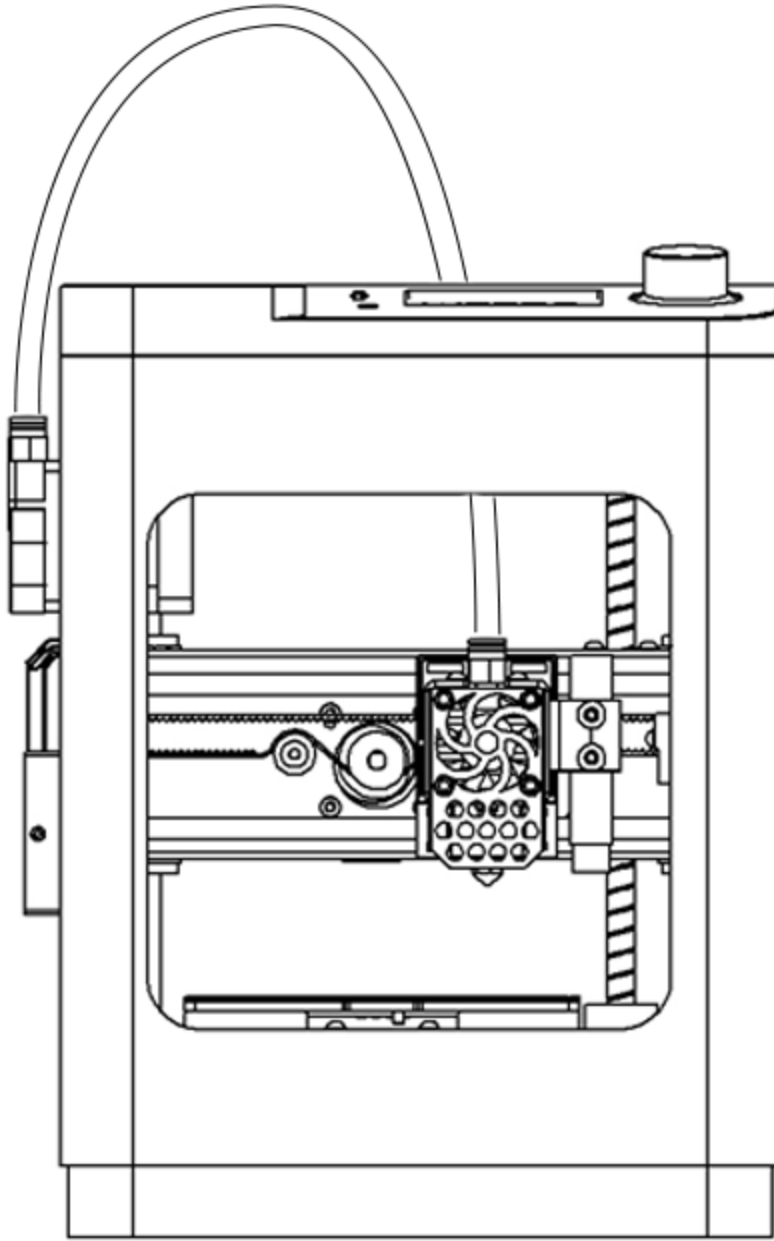
Please read this guide before using the device. Once you use this product, it means that you have read and accepted the following safety warnings.

If you have any questions, you can email [support@entina3d.com](mailto:support@entina3d.com) or contact us using Whatsapp **+86 18936012338** in 【 Poloprint Cloud 】 app.

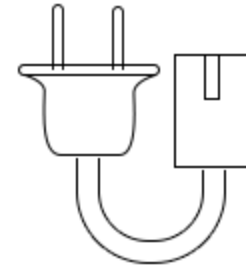
## | SAFETY WARNINGS

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.

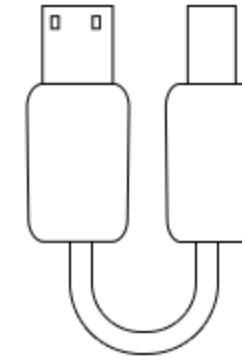
# ACCESSORIES



power cable



power supply



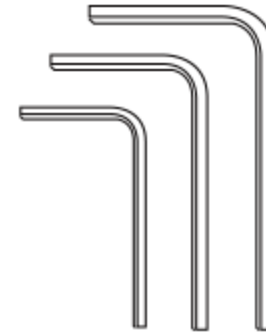
USB



filament



solid glue



1.5/2.0/2.5mm  
L wrench



8mm  
wrench



0.4mm  
nozzle



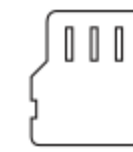
nozzle needle



Type-C



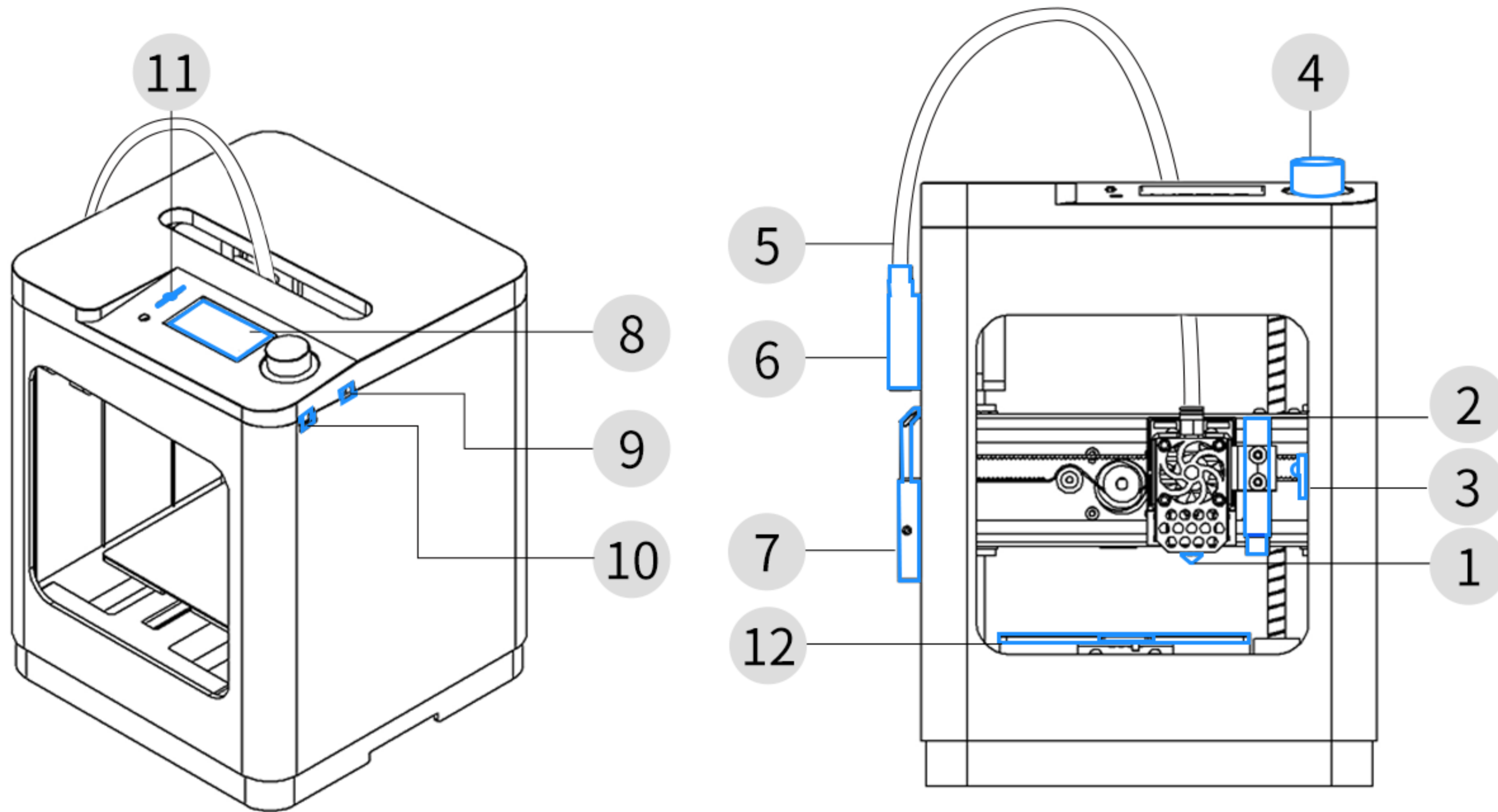
card reader



test models  
software  
manual and video

TF card

# | PRODUCT OVERVIEW



1. Hotend

2. Proximity Sensor

3. X endstop

4. Knob Button

5. Filament Tube

6. Extruder

7. Filament Holder

8. Screen

9. Power Socket

10.USB Socket

11.TF Card Socket

12.Platform

## | SPECIFICATION

<b>Model</b> TINA2S V8	<b>Product Volume</b> 210*210*290 mm	<b>Build Volume</b> 100*105*100 mm	<b>Motherboard</b> Silent TMC2208
<b>Weight</b> 3Kg/6.6lbs	<b>Nozzle Diameter</b> 0.4mm	<b>Power Supply</b> 100V- 240V/12V@5A,60W	<b>Platform</b> Flexible Spring Steel
<b>Nozzle Temp</b> ≤245°C	<b>Heatbed Temp</b> ≤60°C	<b>Speed</b> ≤120mm/s	<b>Input</b> TF Card / APP / WIFI / USB
<b>Layer Thickness</b> 0.1~0.4mm	<b>Printing Precision</b> ±0.1mm	<b>Leveling</b> 3 points Auto Leveling	<b>Environmental</b> 15°C - 25°C

## | SOFTWARE

<b>Slicing Software</b> Wiibuilder (WIN/macOS) Cura (WIN/macOS) OctoPrint (Pi OS/Linux)	<b>Slicer Input File</b> STL/OBJ/AMF	<b>Printing Format</b> Gcode	<b>APP</b> Poloprint Cloud (Android/iOS)
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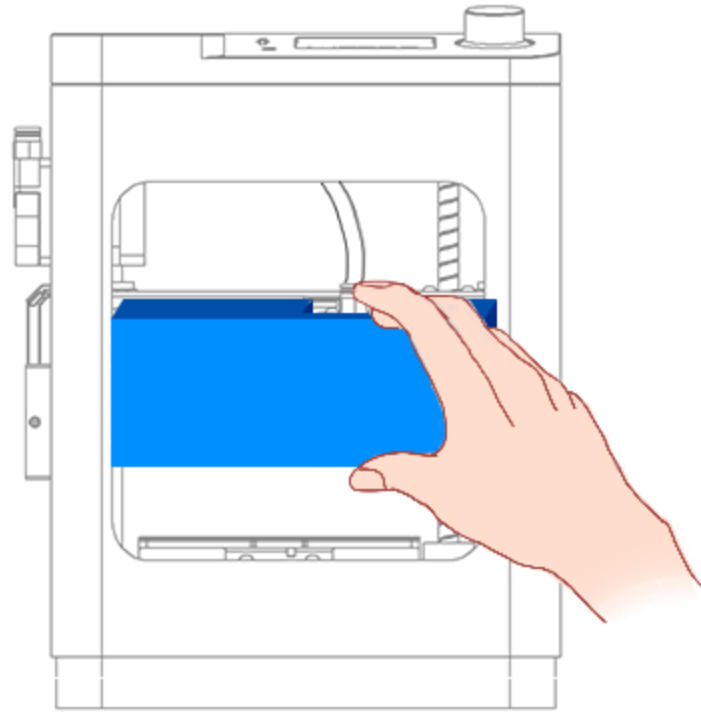
## | FILAMENT

<b>Filament Type</b> PLA / PLA+ / TPU	<b>Filament Diameter</b> 1.75mm	<b>Filament Temperature</b> <230°C	<b>Filament on Holder</b> ≤500g
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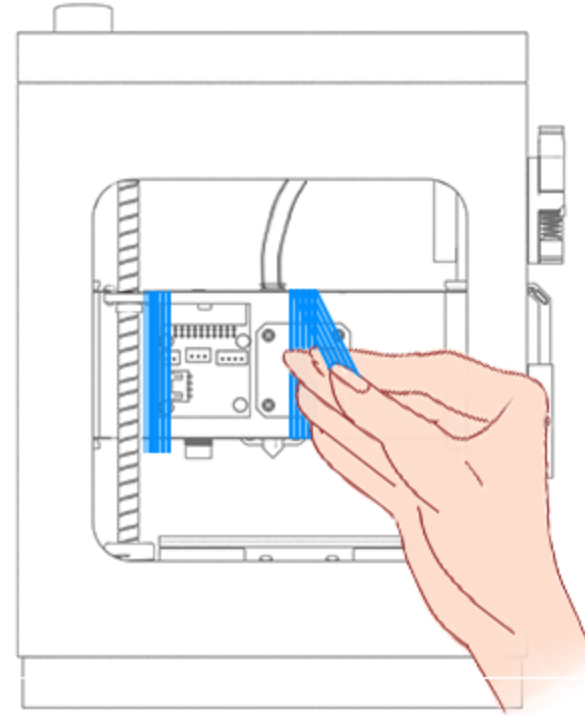
Please use the filament provided by our company. Filaments have different specifications, which can clog and damage the nozzle. If the 3D printer fails due to the 3-party, the warranty will not be granted.

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

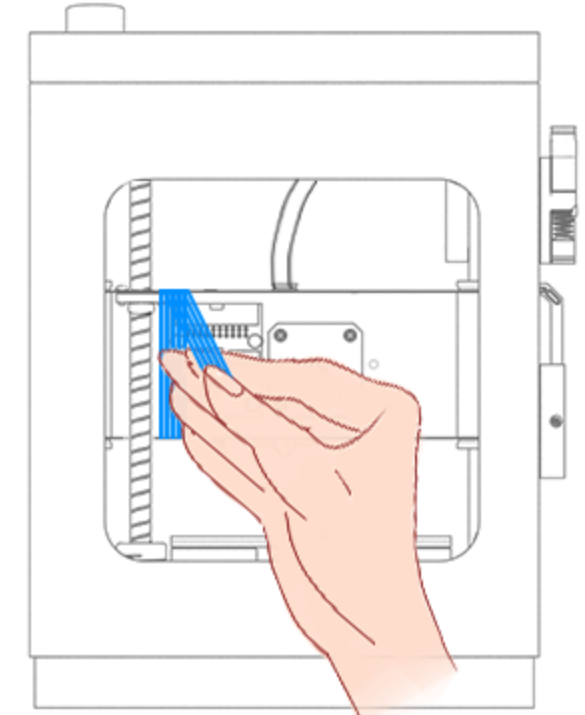
# UNPACKING



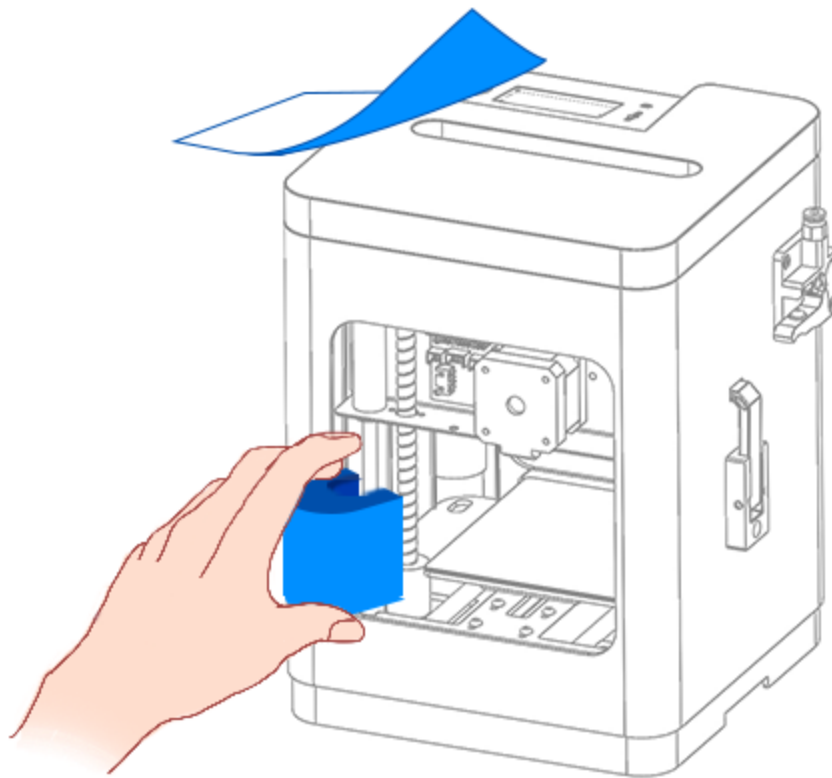
1. Remove the bubble wrap.



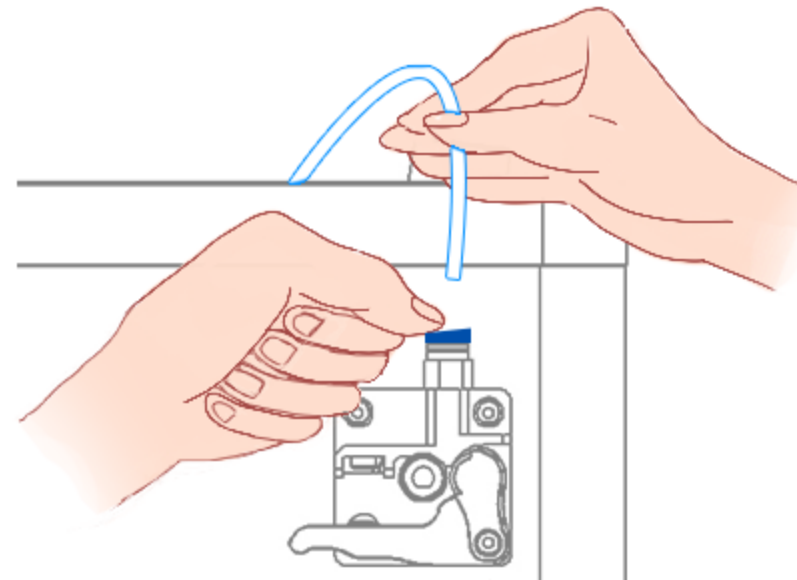
2. Peel off the tape on the nozzle.



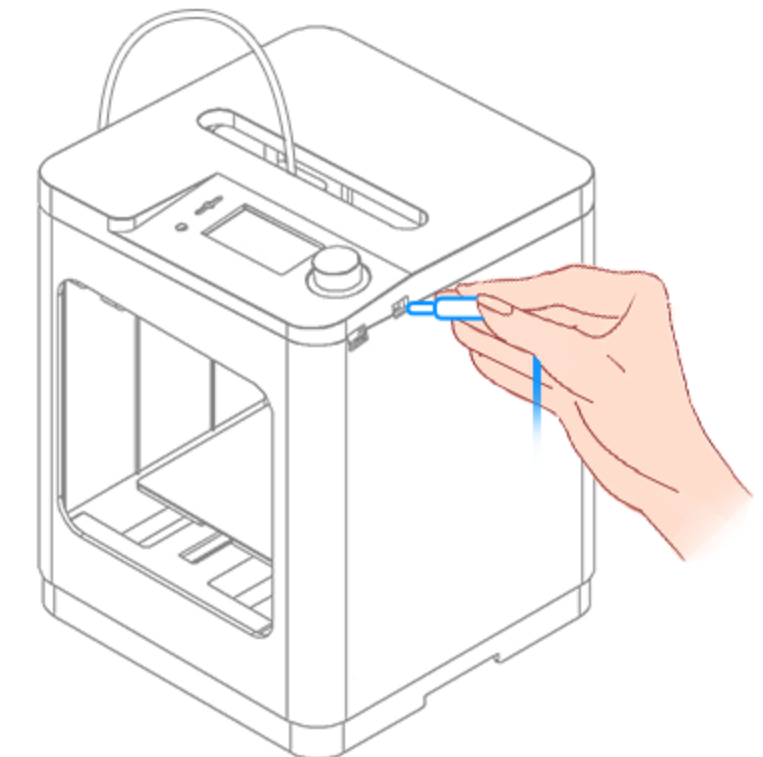
3. Peel off the tape near the Lead Screw.



4. Remove the shaft coupling shell and sticker.



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



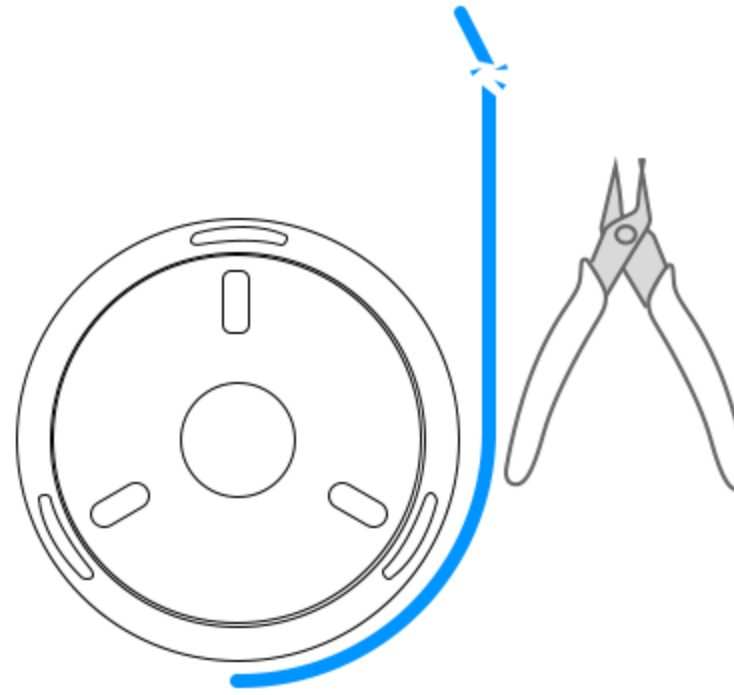
6. Plug in the power and turn on the printer.



**STEP1: LOAD FILAMENT**

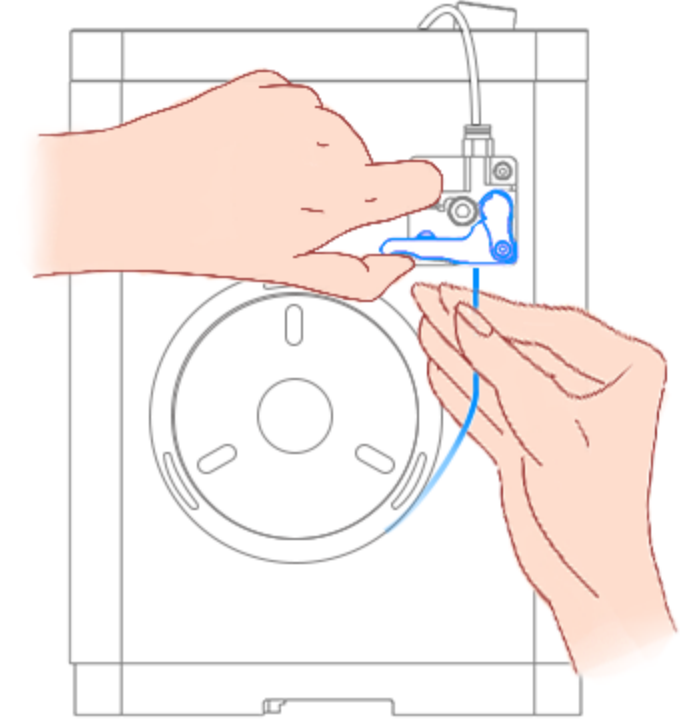
Next

Quit



7. After selecting the language, click "Next". Follow the prompts, **otherwise the first model will fail.**

8. **After the "beep" sounds,** straighten the filament and cut a bevel.

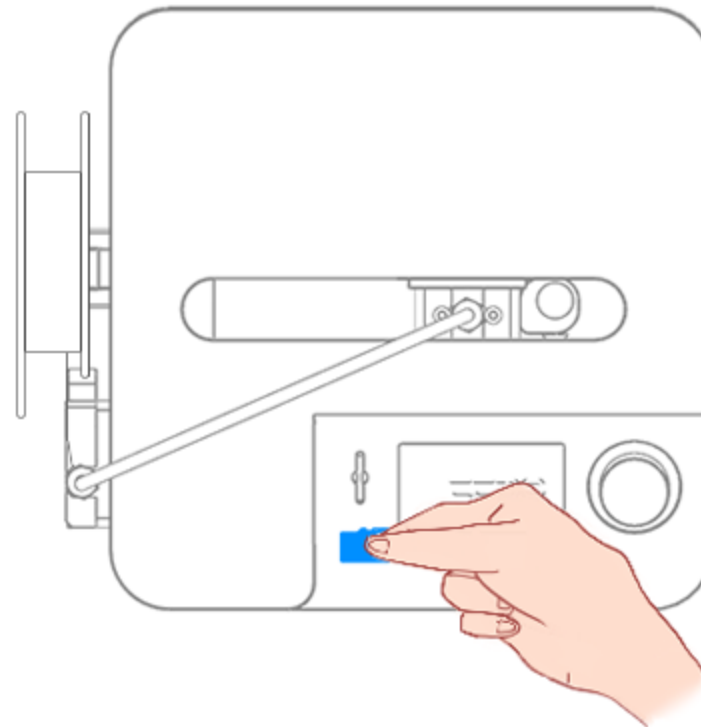


9. Insert filament until entering nozzle. Press button and wait until the filament comes out of the nozzle.

**STEP2: INSERT TF CARD**

Next

Quit



10. Click "Next".

11. Insert the TF card, **pay attention to its direction.**

**STEP3: CHOICE FILE**

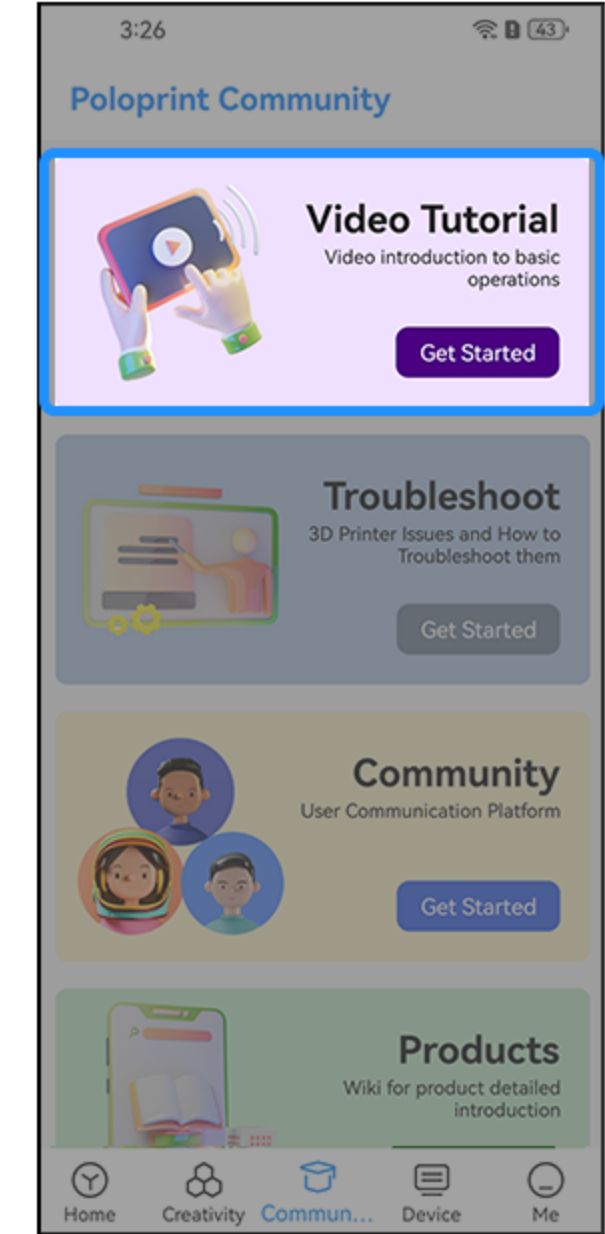
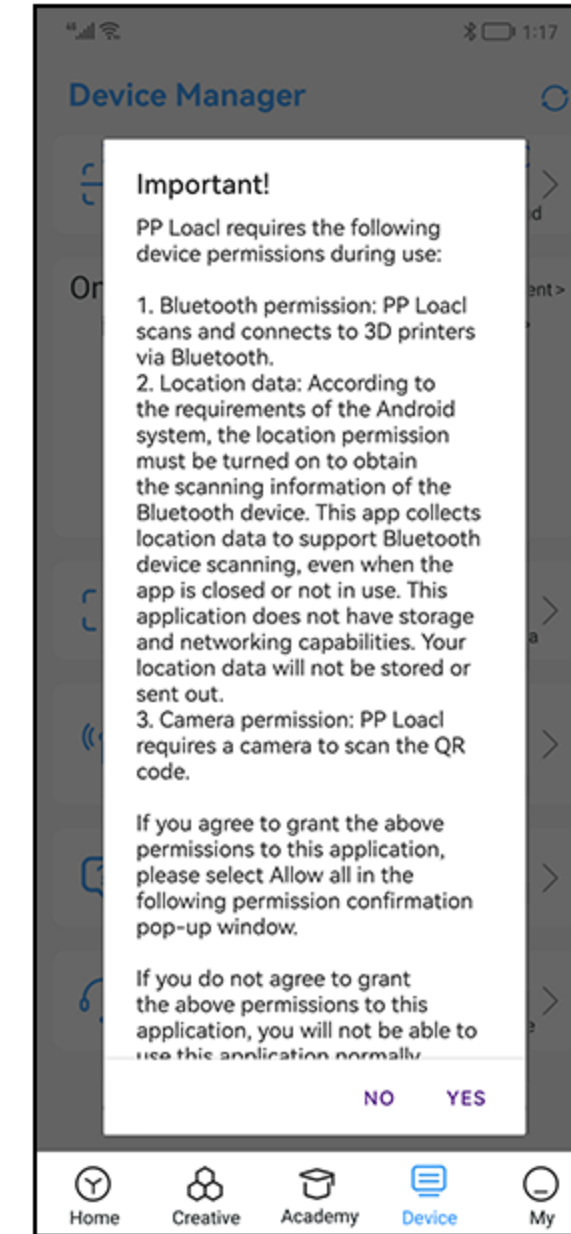
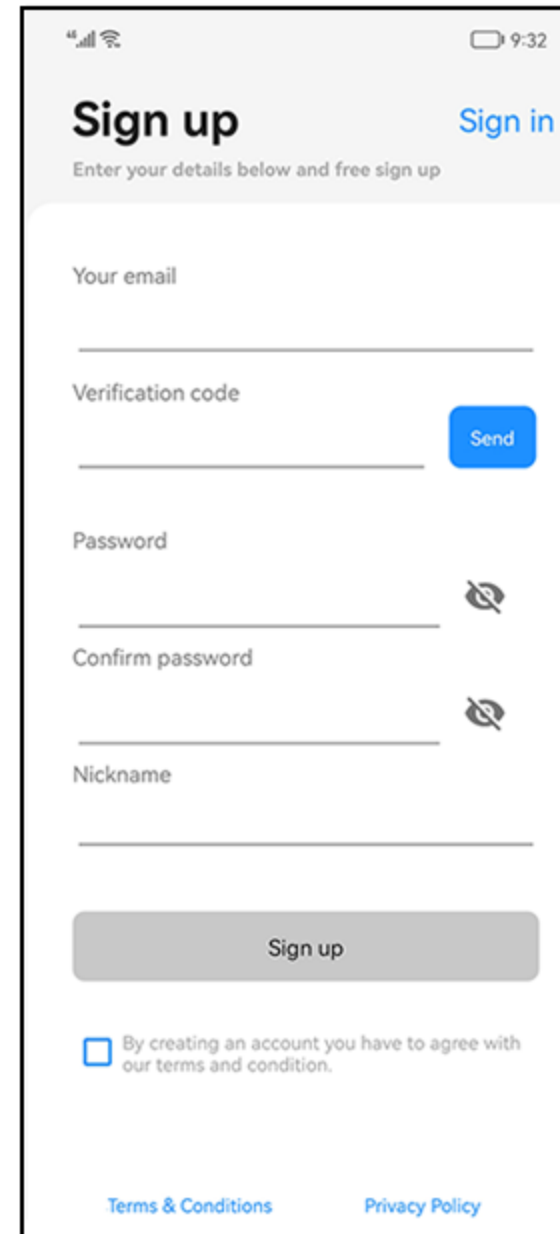
Print from TF

Quit

12. 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.

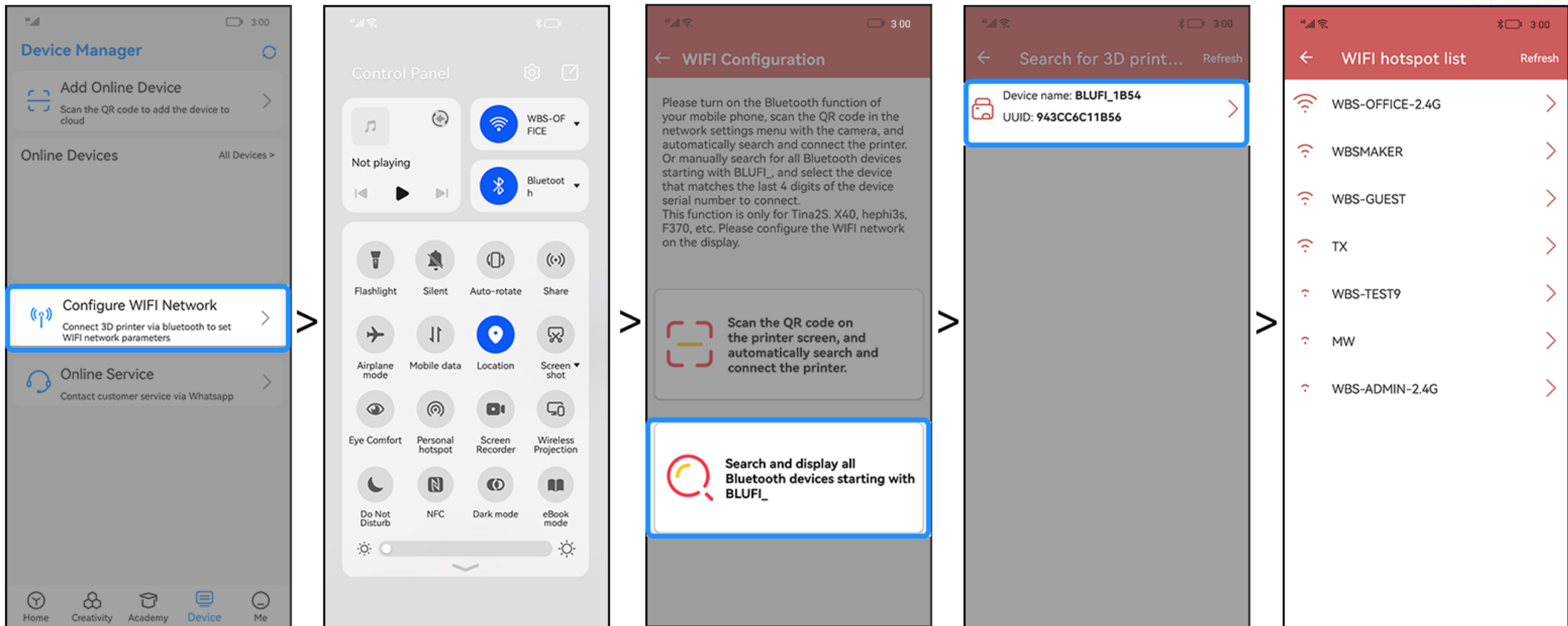
3. Click "Device" , allow all permissions.

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".

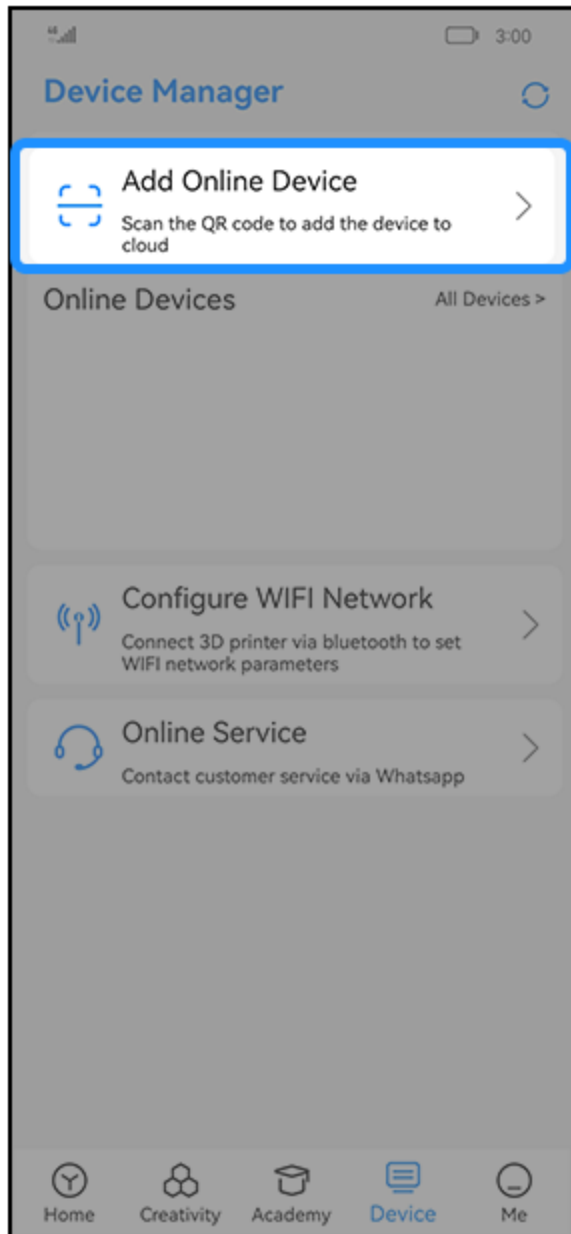
3. Search the device.

4. Click "bluetooth".

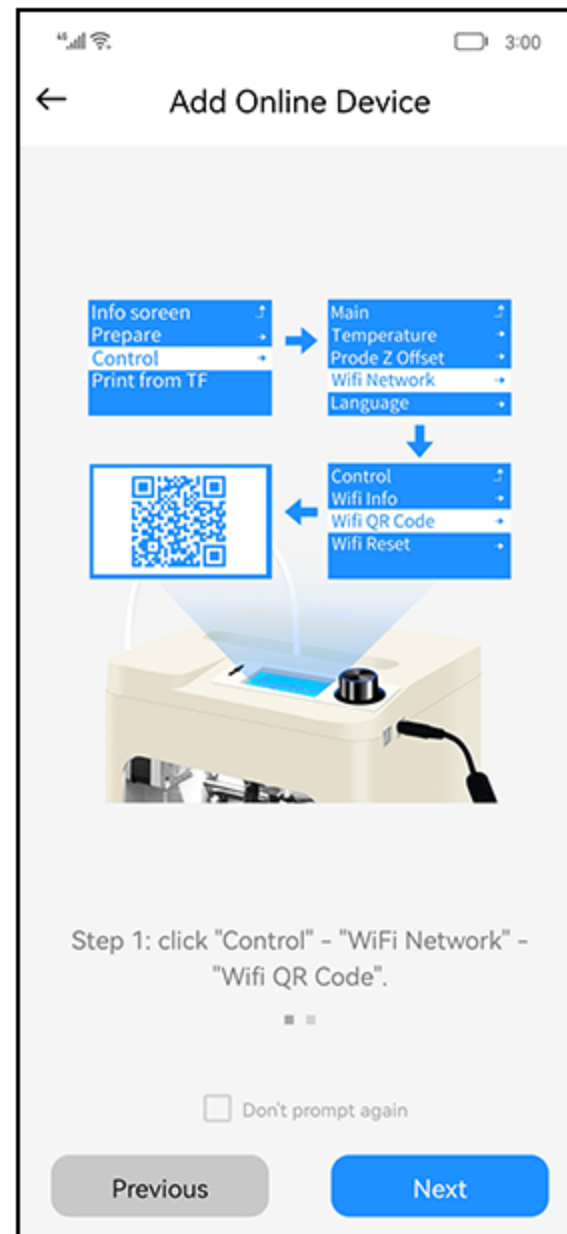
5. Select WiFi, enter your WiFi password.

**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.

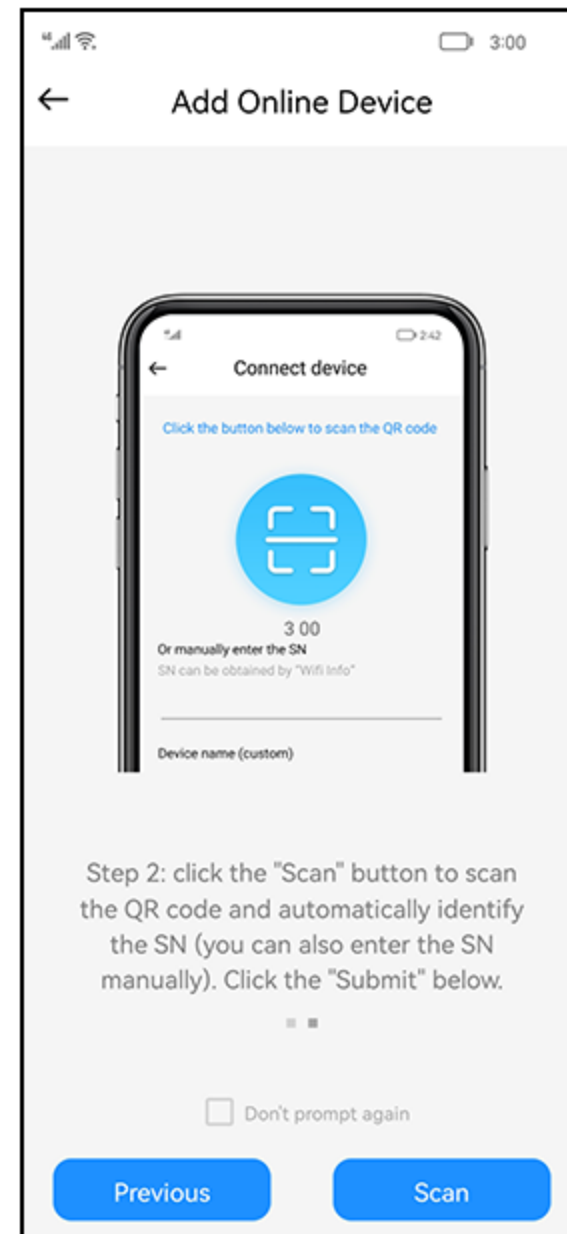
### ③ Poloprint Cloud -- connect 3D printer



1. Click "Add online device".

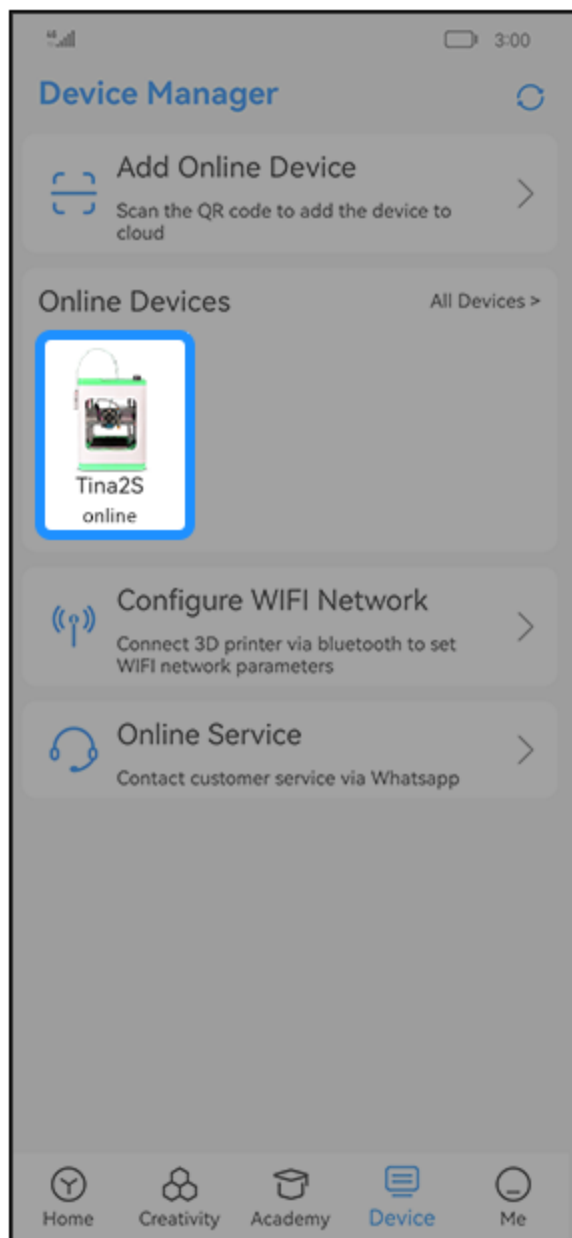


2. Operate according to the tutorial.

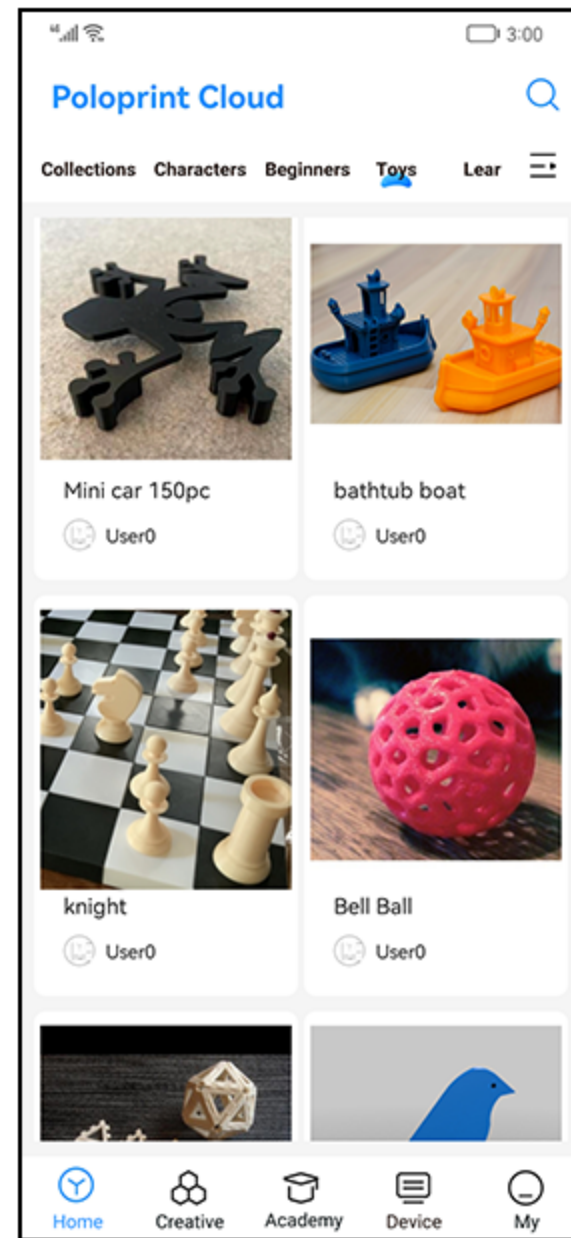


3. Scan and submit.

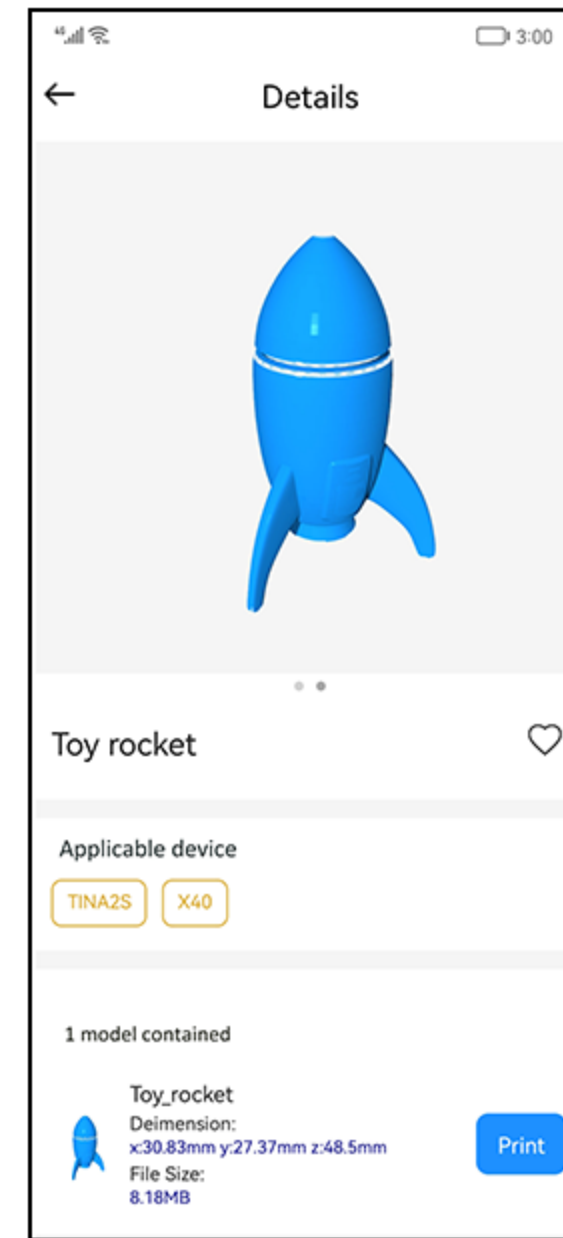
## ④ Poloprint Cloud -- print model



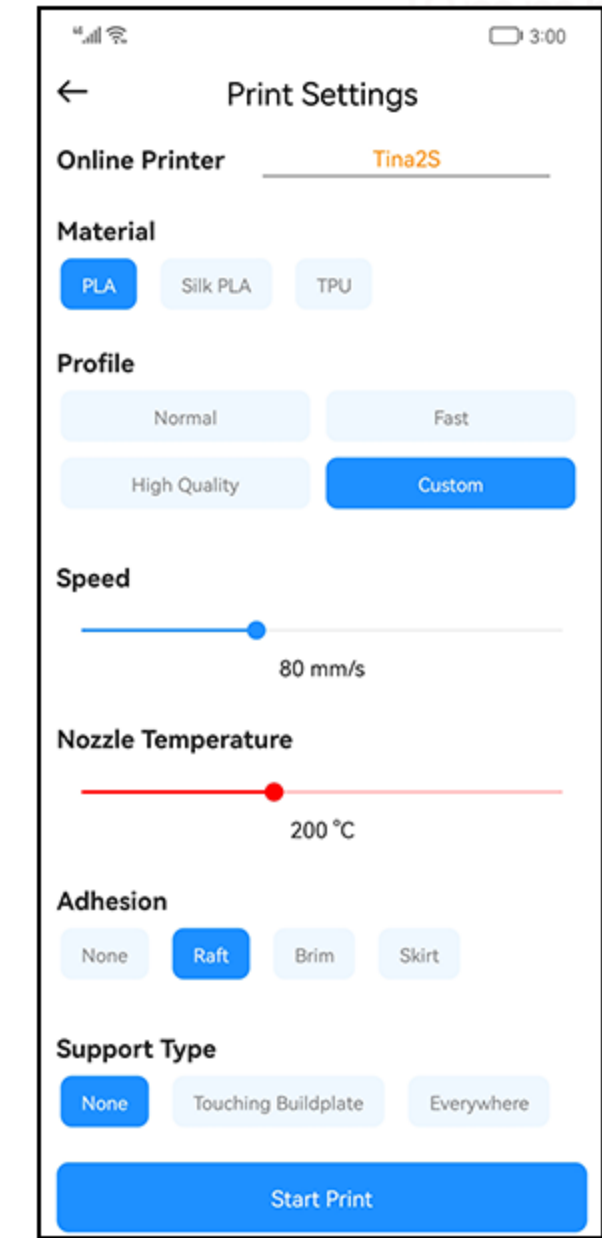
1. After the device is "online".



2. Choose a model.



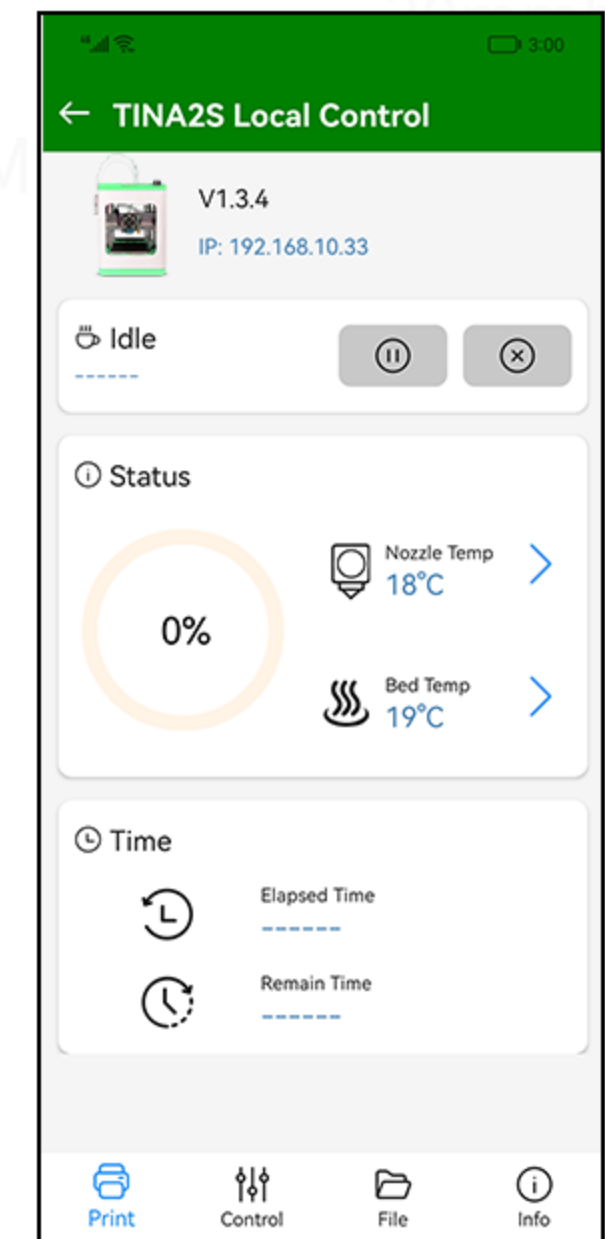
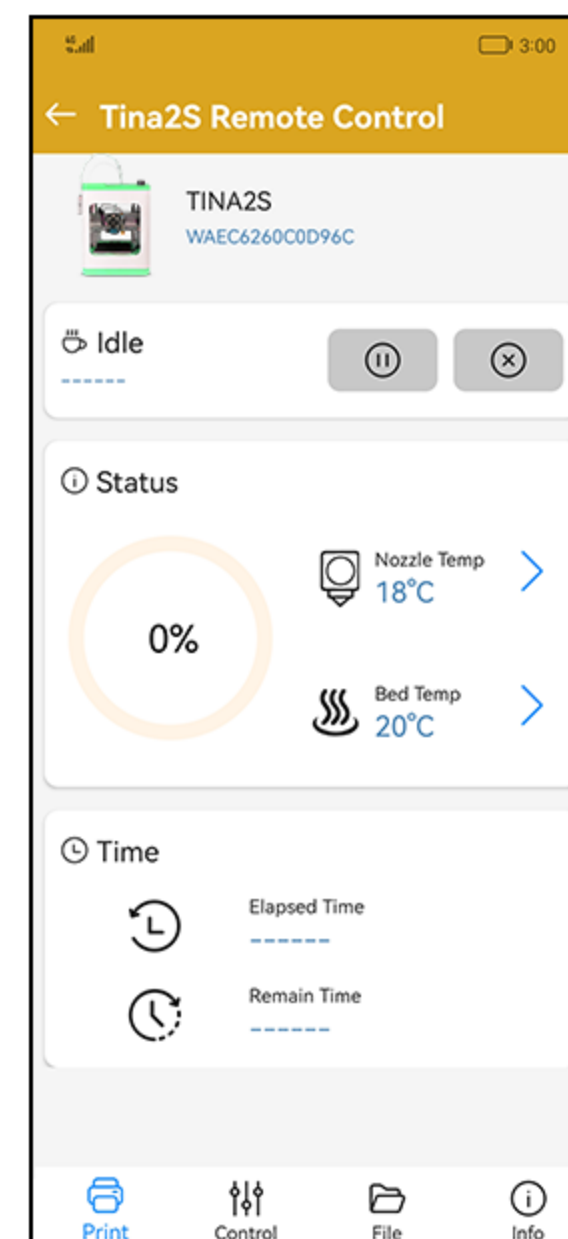
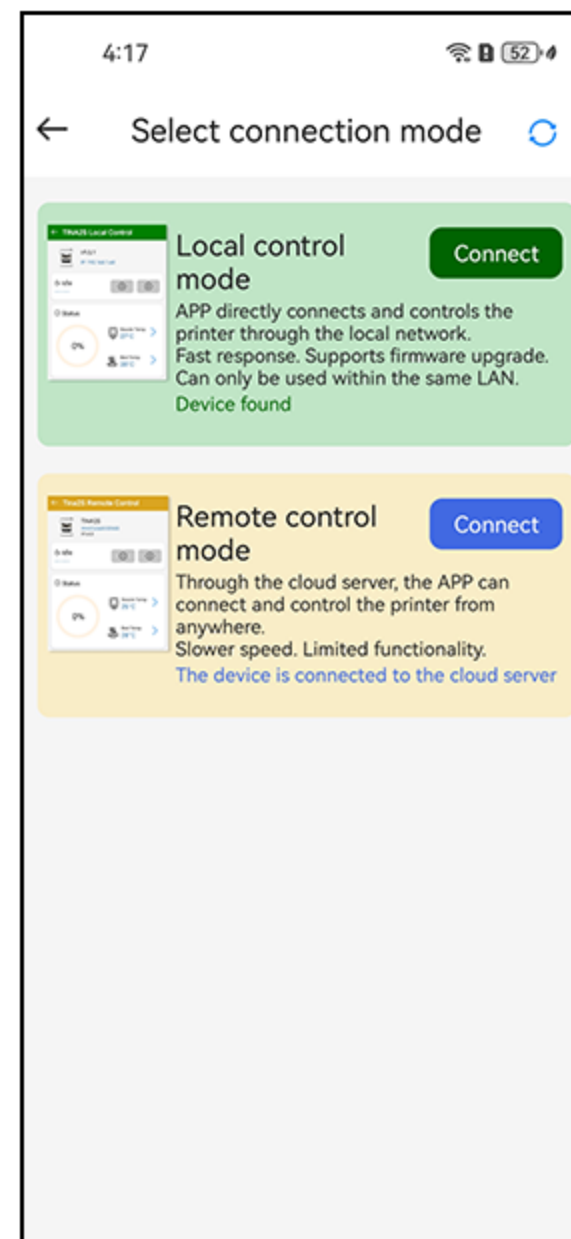
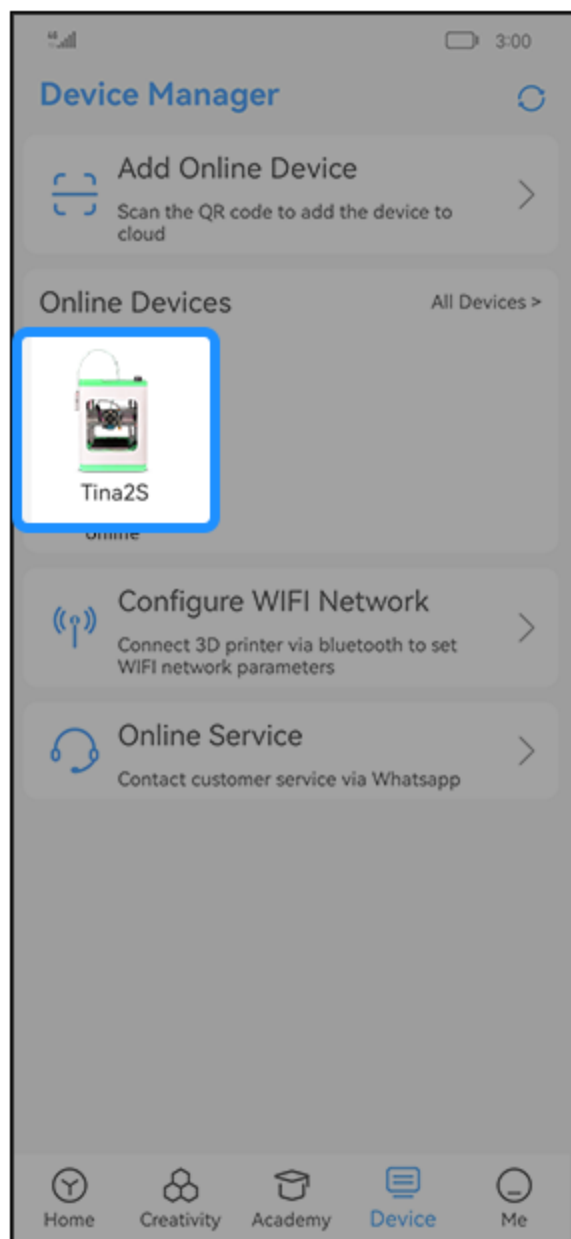
3. Click "Print".



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.

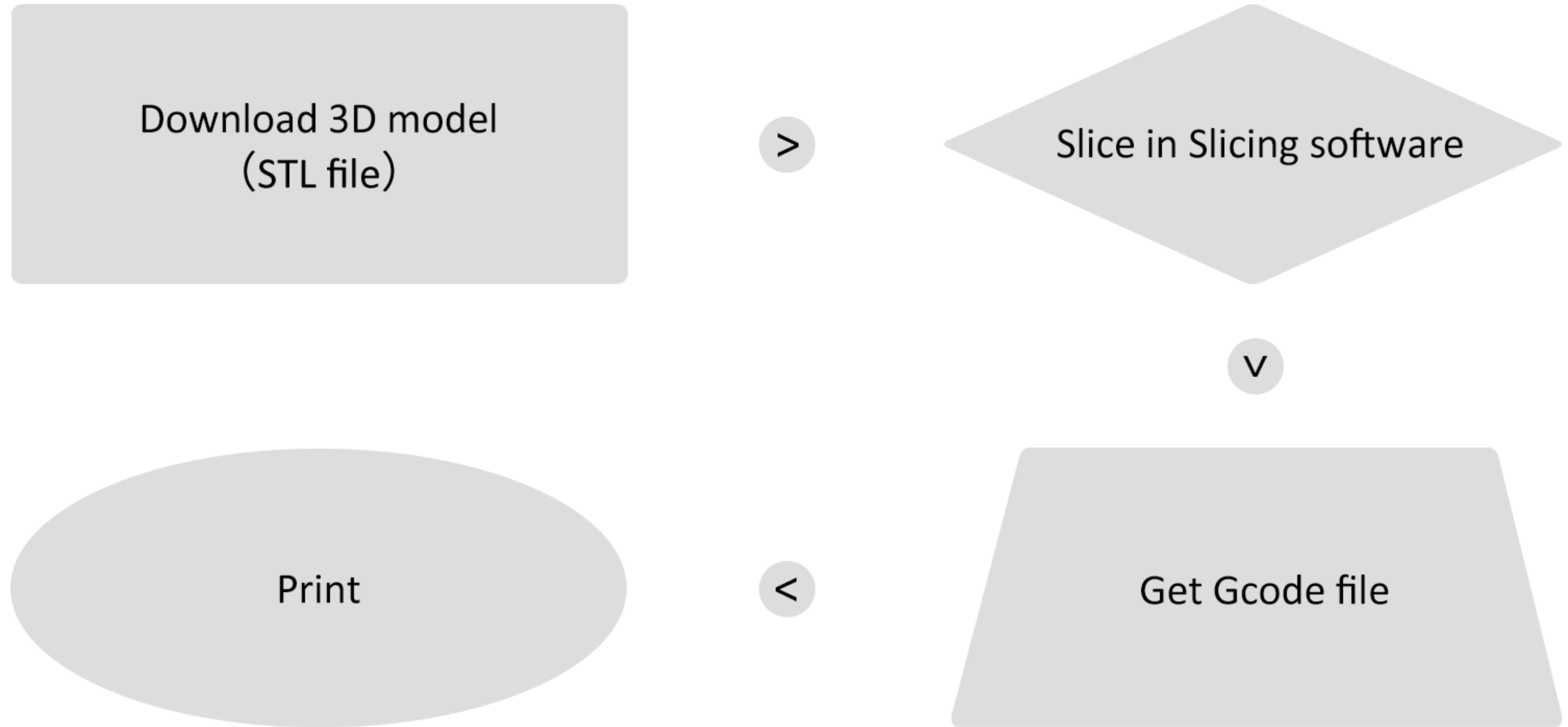
2. There are two modes depending on the network.

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

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

**Note:** 1. "Local online" transfers faster than "remote online".  
2. "Local online" has more control functions.

## 3D printing flow chart

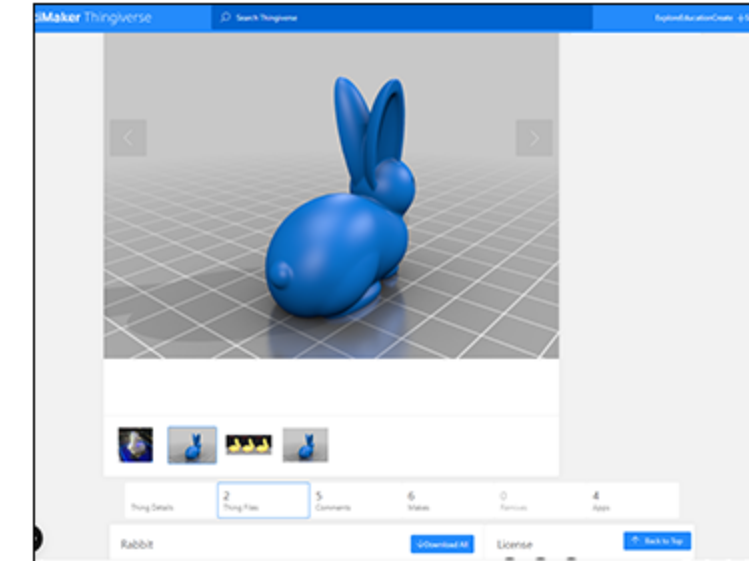
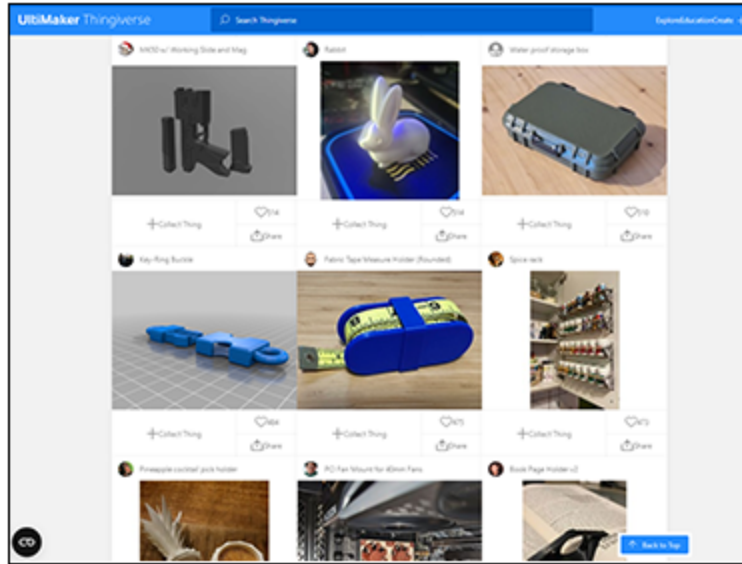


**Note:** 1. The slicing software must be installed on the computer. Slicing software includes Wiibuilder, cura.  
2. Wiibuilder is a slicing software developed by our company. Recommended Wiibuilder.



# | SLICING SOFTWARE

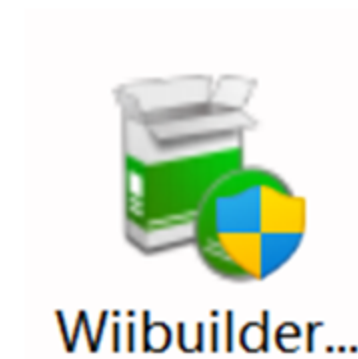
## ① Download more models



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



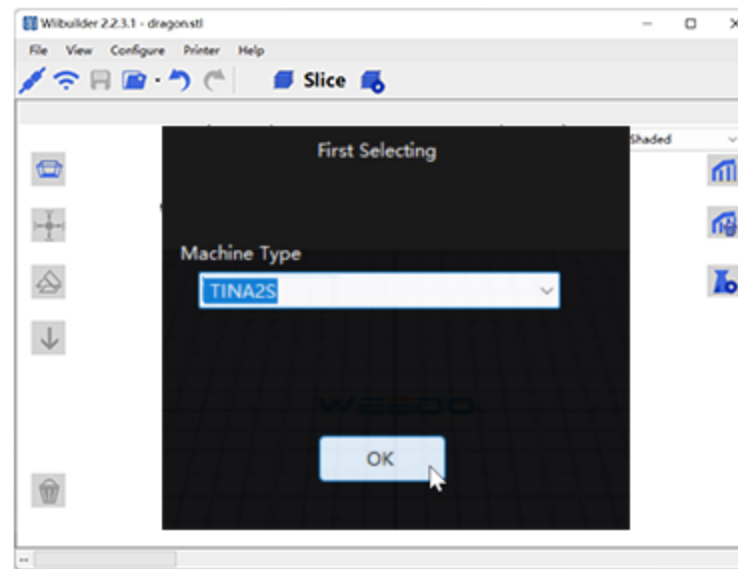
1. The installation is stored in the TF card, copy it to the desktop and unzip it.

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

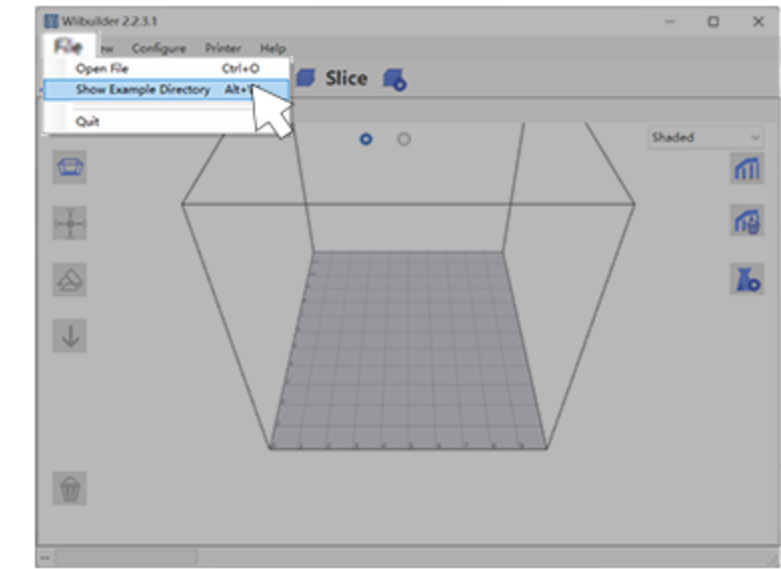
### ③ Wiibuilder -- slice the model



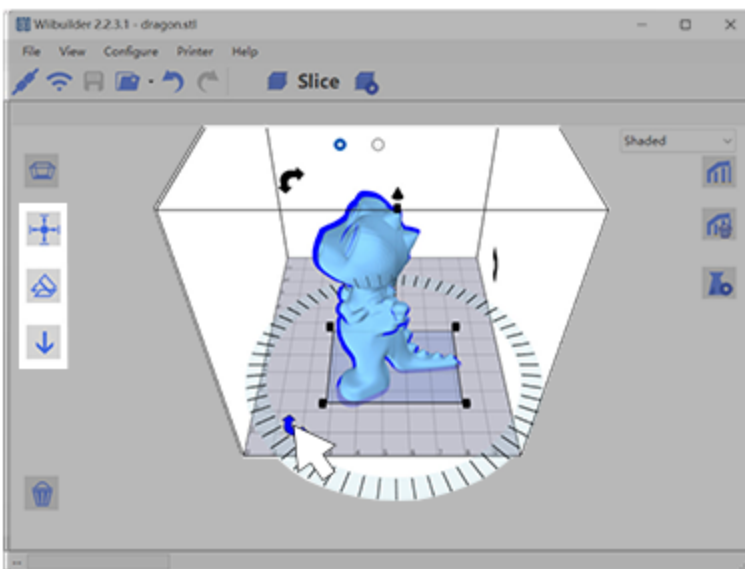
1. Open the Wiibuilder.



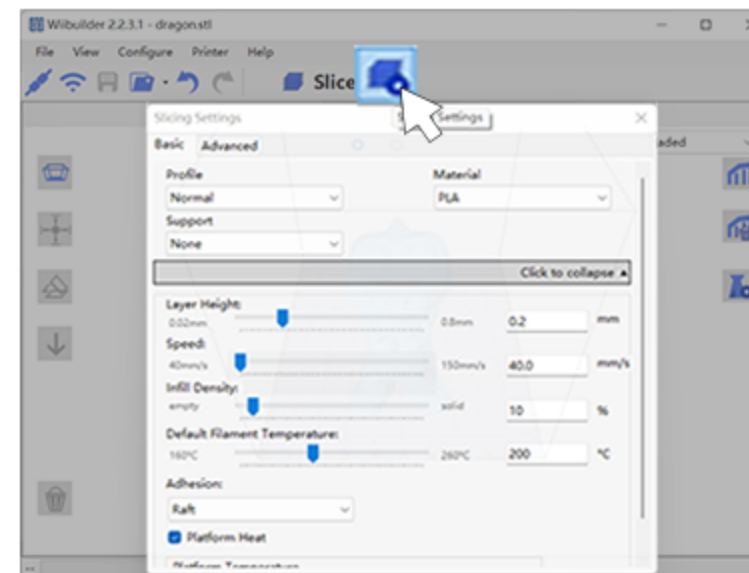
2. Be sure to choose the right printer.



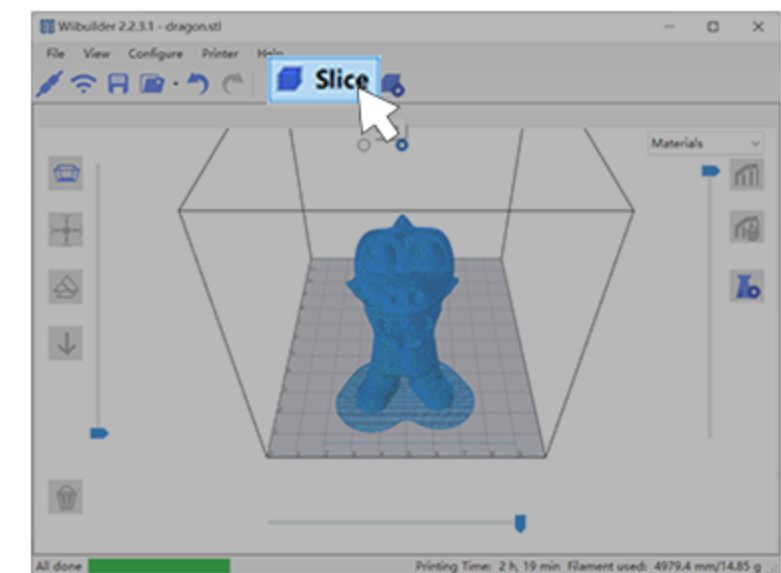
3. Click "File" to load STL file or just drag the model into it.



4. Click and adjust the model.



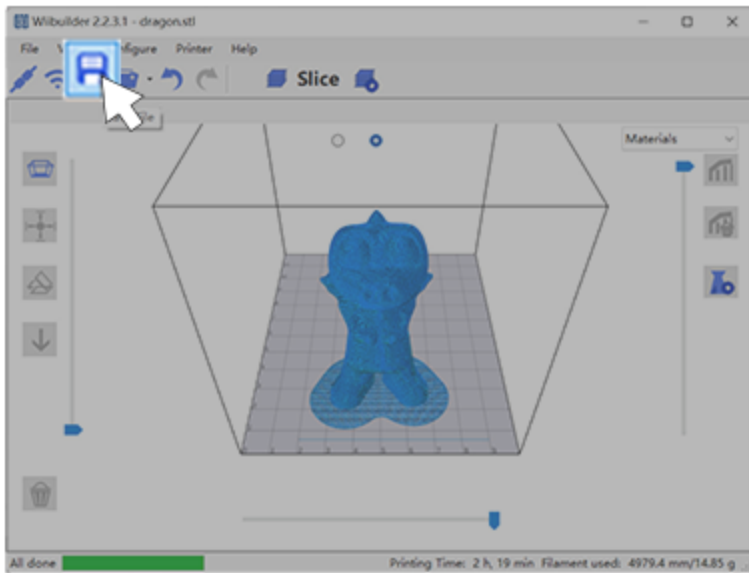
5. Set slicing parameters .



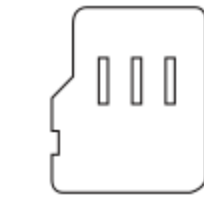
6. Click "Slice", get Gcode file.

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

## ④ Print the file by TF card



1. Click "Save File".



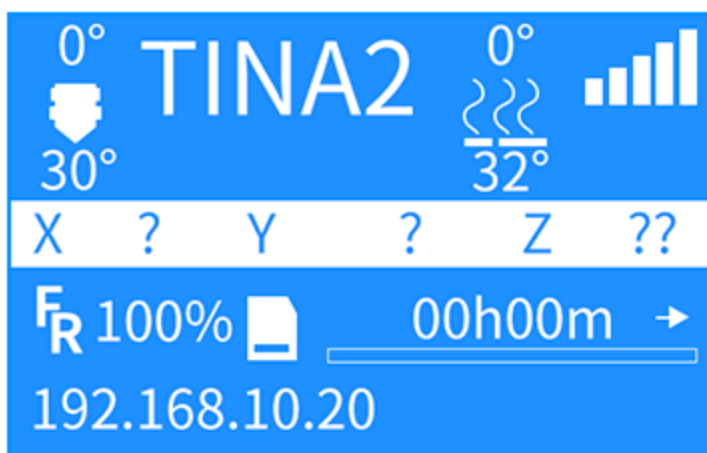
TF card



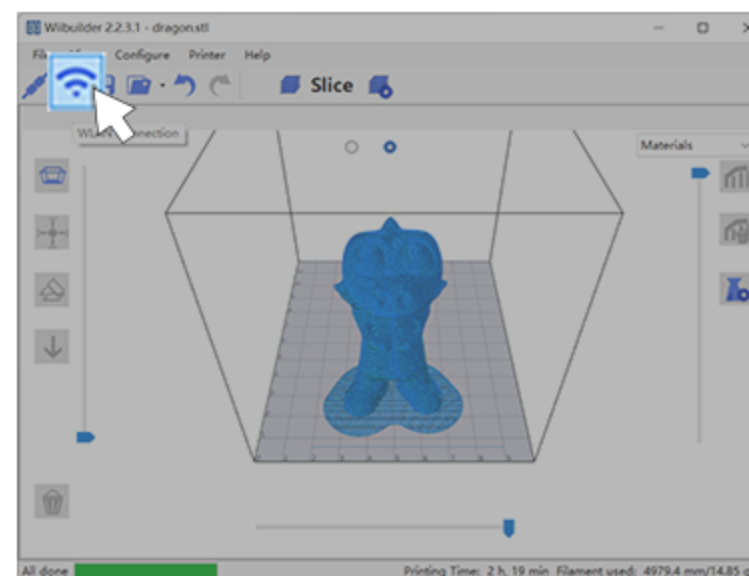
Info screen ↑  
Prepare →  
Control →  
Print from TF

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

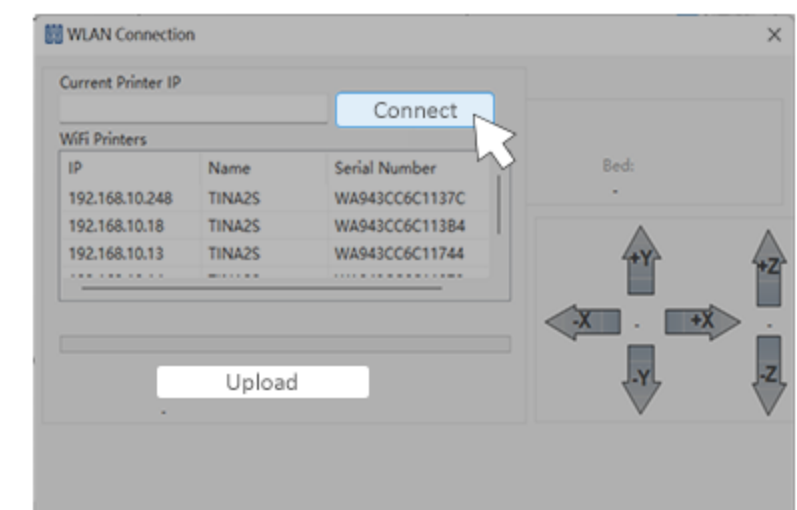
## ⑤ Print the file by the network



1. The info screen show the IP address.

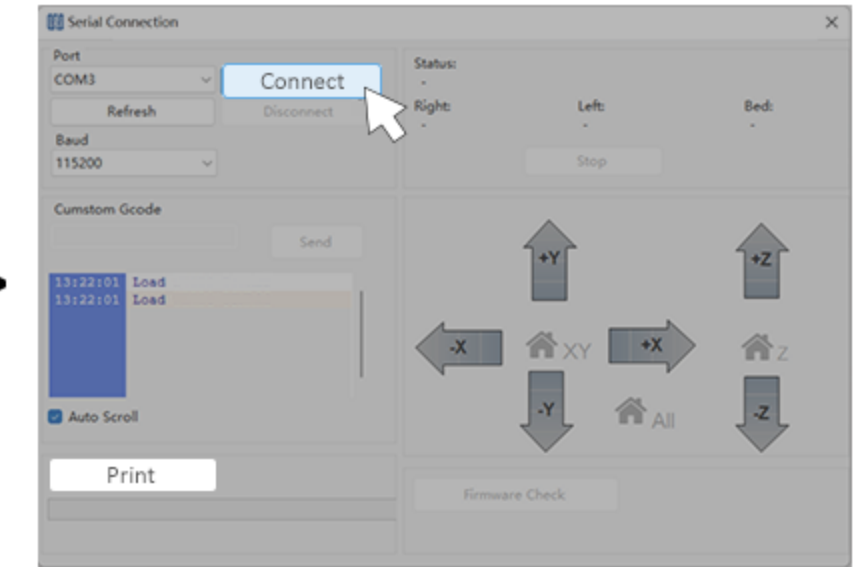
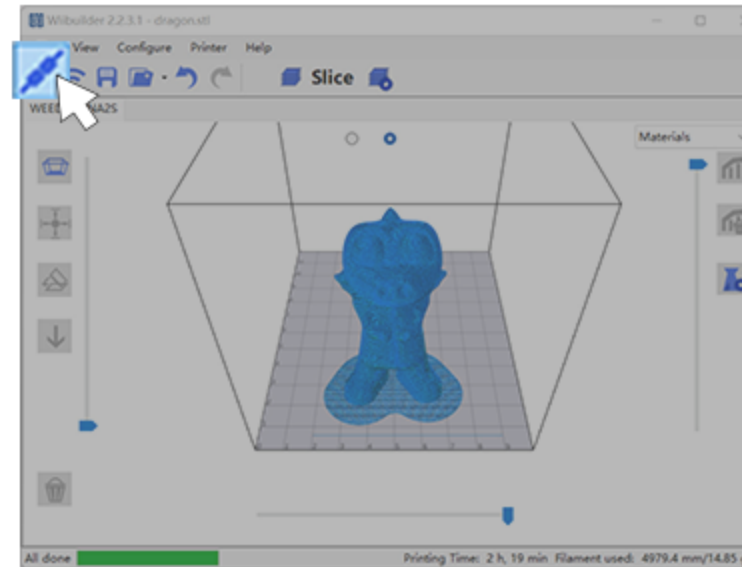
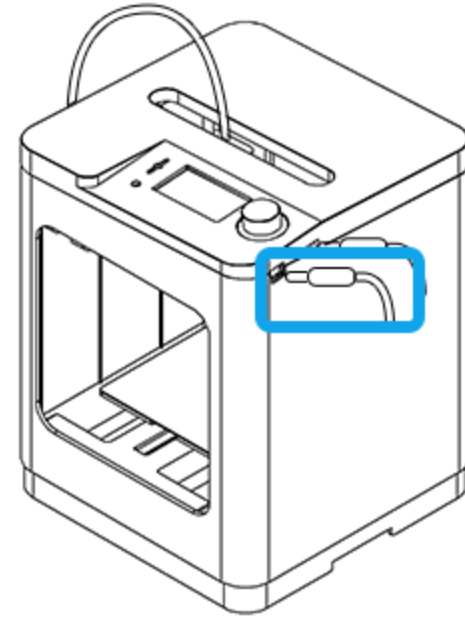


2. Click "WLAN Connection".



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

## ⑥ Print the file by USB



1. The USB driver in the TF card should be installed first.

2. Connect Tina2s and computer with USB.

3. Click "Connect Printer".

4. The baud is 115200. Click "Connect", "Print".

## | HELP

1. All operation videos can be viewed in the APP.
2. The nozzle will be clogged due to the damp filament, so the nozzle should be cleaned regularly. You can view the video of cleaning the nozzle in the TF card.
3. If the device fails, you can check **【Community】**, or **【Device】** - **【Online Service】** in Poloprint Cloud.
4. If you have problems that cannot be solved, please contact technical support.
5. Users can inquire more about 3D printer knowledge in Poloprint Cloud and manual.