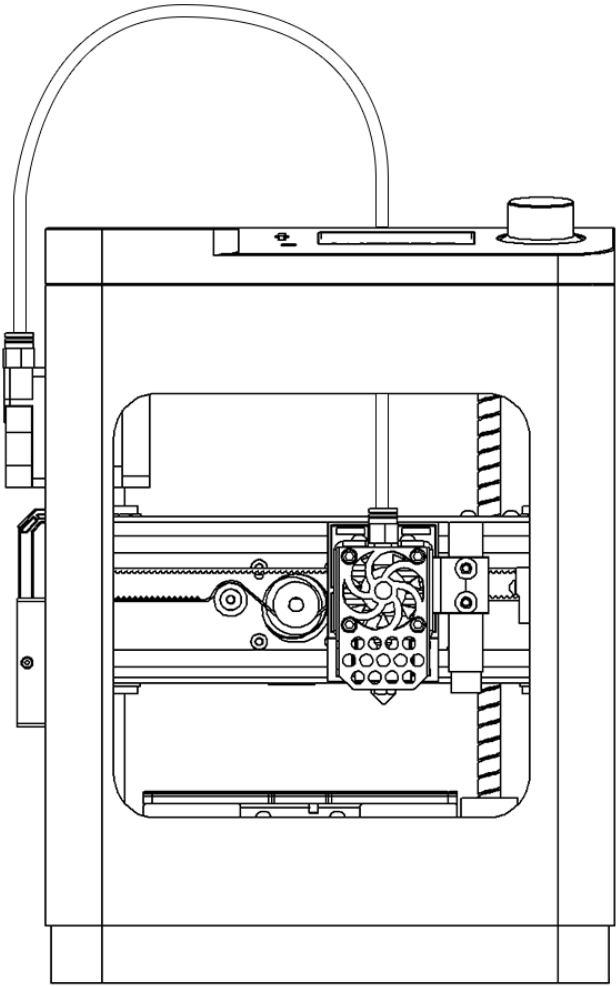# ENTINA · TINA2S

Unpacking 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 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.You can check the video, manual and software in TF card.

|PRODUCT OVERVIEW
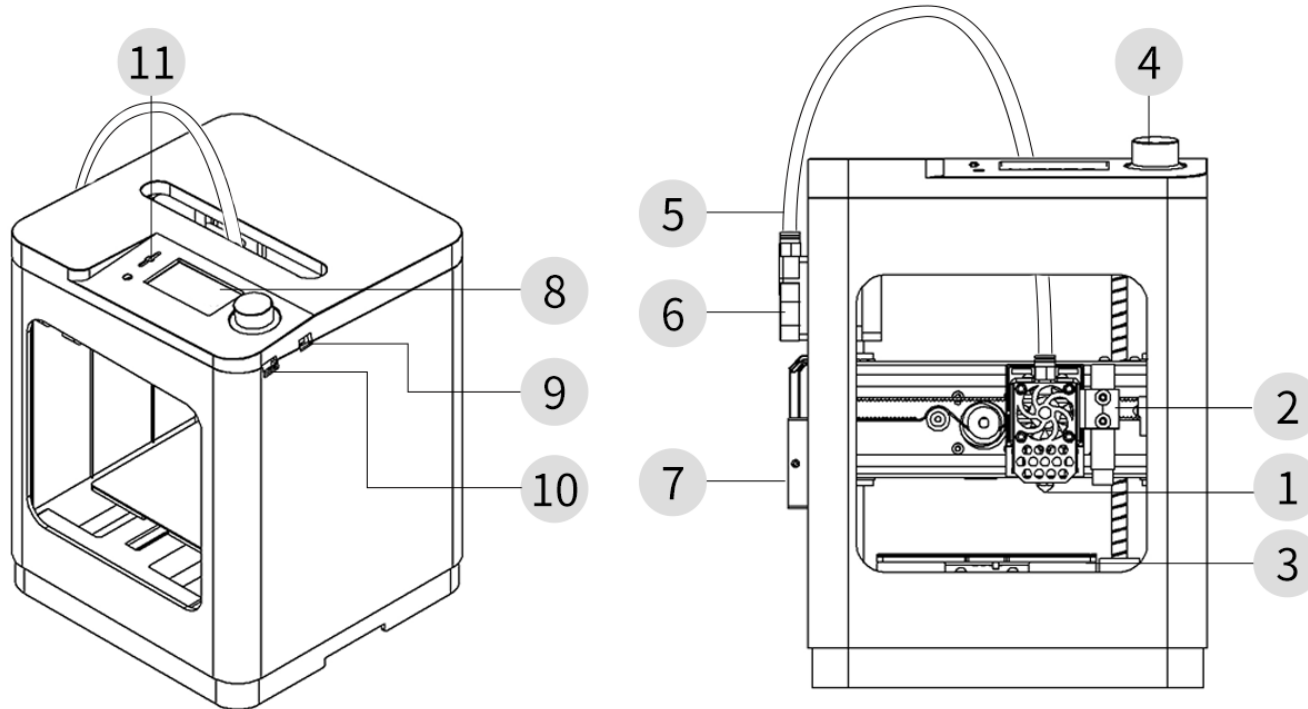
1. Hotend
2. Proximity Sensor
3. Platform
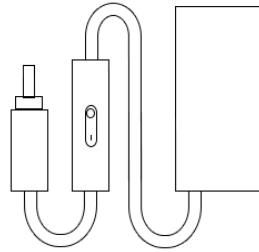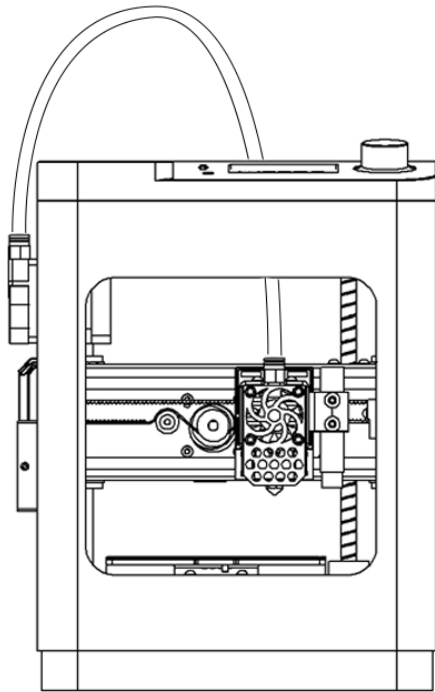4. Knob Button
5. Filament Tube
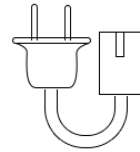6. Extruder
7. Filament Holder
8. Screen
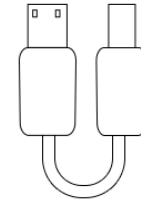9. Power Socket
10. USB Socket
11. TF Card Socket
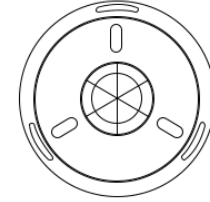
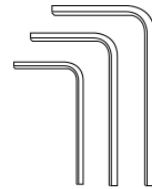# |ACCESSORIES

power cable

power supply

USB

filament

solid glue

1.5/2.0/2.5mm
L wrench

6mm
wrench

0.4mm
nozzle

card reader

Type-C

TF card

test models
software
manual and video

|SPECIFICATION

Model TINA2S	**Product Volume** 210*210*290 mm	**Build Volume** 100*105*100 mm	**Motherboard** Silent TMC2208
Weight 3Kg/6.6lbs	**Nozzle Diameter** 0.4mm	**Power Supply** 100V- 240V/12V@5A,60W	**Platform** Flexible Spring Steel
Nozzle Temp ≤245℃	**Heatbed Temp** ≤60℃	**Speed** ≤200mm/s	**Input** TF Card / APP / WIFI / USB
Layer Thickness 0.1~0.4mm	**Printing Precision** ±0.1mm	**Leveling** 3 points Auto Leveling	**Environmental** 15℃ - 25℃

|SOFTWARE

Slicing Software Wiibuilder (WIN/macOS) Cura (WIN/macOS) OctoPrint (Pi OS/Linux)	**Slicer Input File** STL/OBJ/AMF	**Pringting Format** Gcode	**APP** PP Cloud (Android/ iOS) PP Local (Android/ iOS)

|FILAMENT

|			
Filament Type PLA / PLA+ / TPU	**Filament Diameter** 1.75mm	**Filament Temperature** <230℃	**Filament on Holder** ≤500g

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.

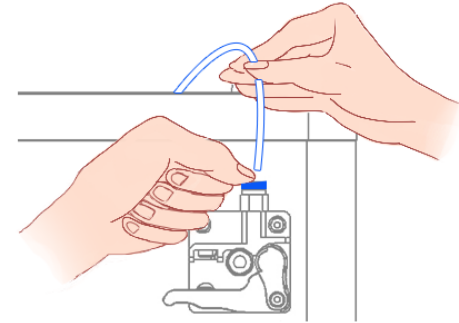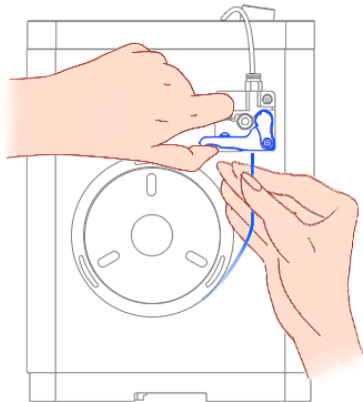If the filaments are not used for a long time, please keep them sealed.
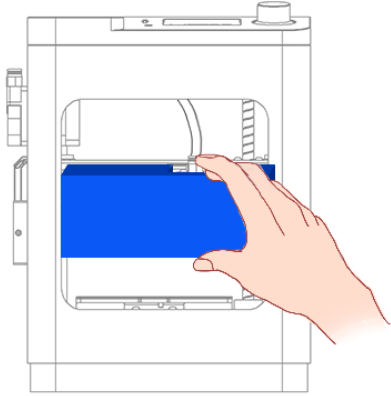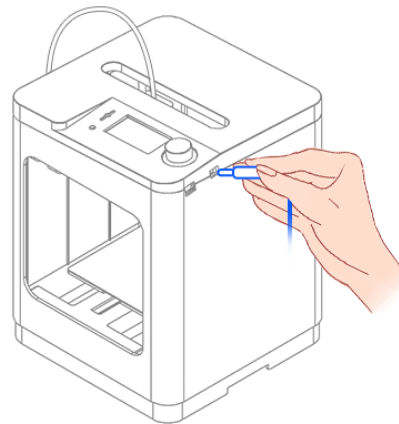
1. Unpack and remove foam.
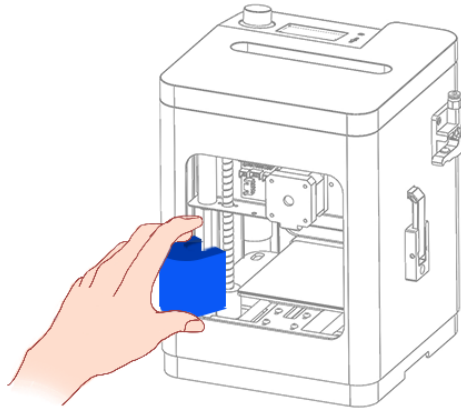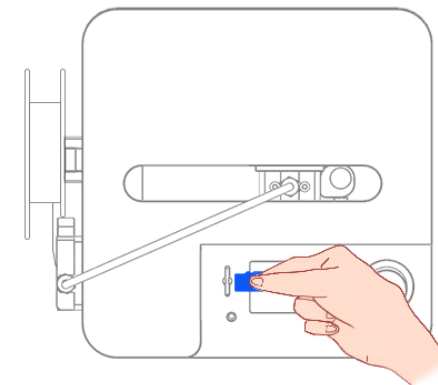
2. Remove the shaft coupling shell.

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

4. Press the extruder switch, straighten filament and insert it, until entering nozzle.
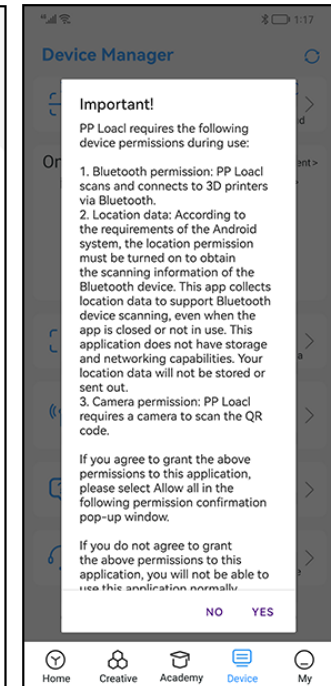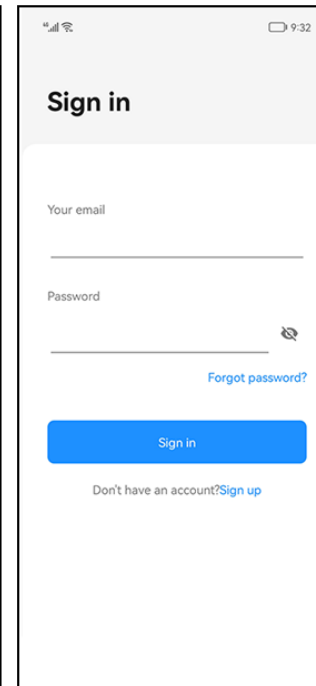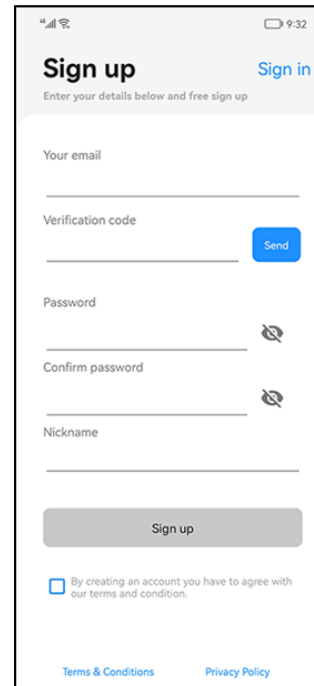
5. Plug in the power and turn on the printer.

6. Insert the TF card and start printing.

|APP

① **Poloprint Cloud** -- install

Sign up — Sign in

Enter your details below and free sign up

Your email

Verification code — Send

Password

Confirm password

Nickname

By creating an account you have to agree with our terms and condition.

Sign up

Terms & Conditions — Privacy Policy

Sign in

Your email

Password

Forgot password?

Sign in

Don't have an account? Sign up

Device Manager

Important!

PP Loacl requires the following device permissions during use:

1. Bluetooth permission: PP Loacl scans and connects to 3D printers via Bluetooth.
2. Location data: According to the requirements of the Android system, the location permission must be turned on to obtain the scanning information of the Bluetooth device. This app collects location data to support Bluetooth device scanning, even when the app is closed or not in use. This application does not have storage and networking capabilities. Your location data will not be stored or sent out.
3. Camera permission: PP Loacl requires a camera to scan the QR code.

If you agree to grant the above permissions to this application, please select Allow all in the following permission confirmation pop-up window.

If you do not agree to grant the above permissions to this application, you will not be able to use this application normally.

NO   YES

Home   Creative   Academy   Device   My

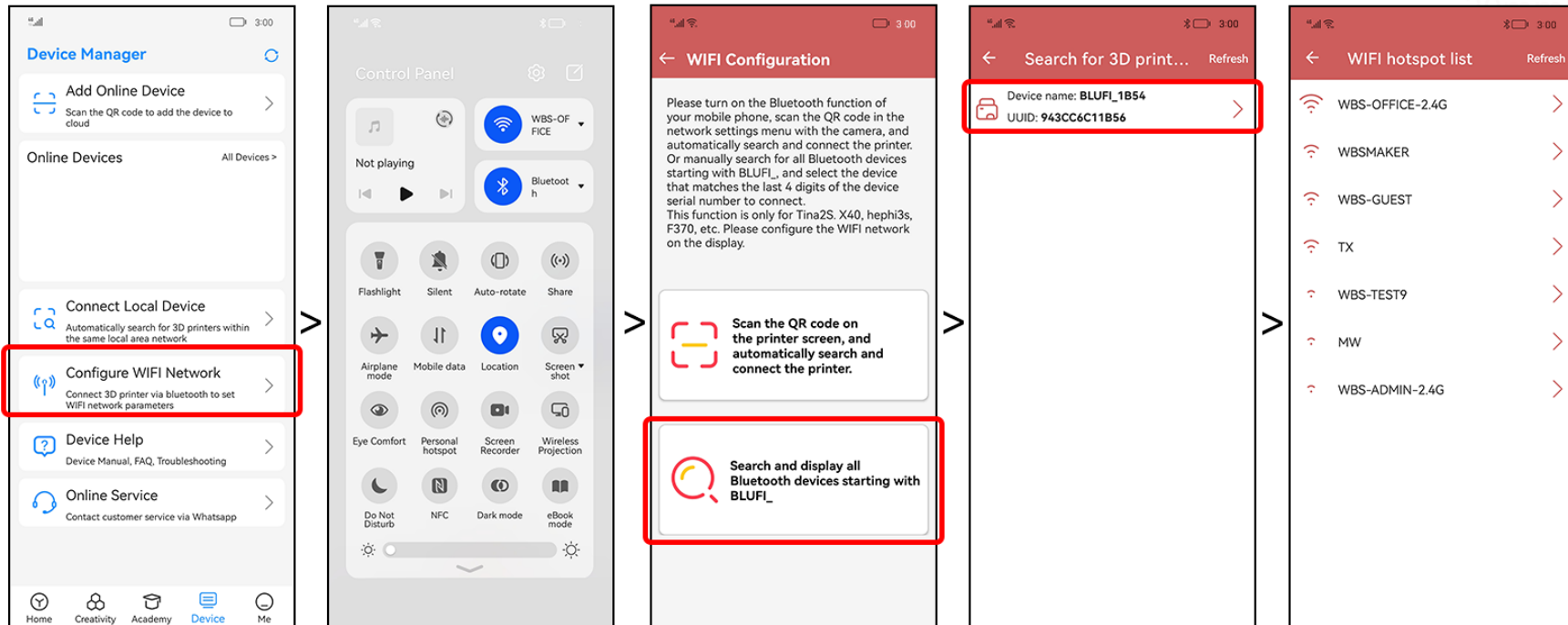1. Scan or search to download Poloprint Cloud.

2. Sign up and sign in.

3. Click "Device" , allow all permissions.

Note:
1. If you are a beginner, please check out the usage guide in the app.
2. Please agree to "ALLOW ALL THE TIME".

② **Poloprint Cloud** -- configure WIFI for 3D printer

Device Manager

- **Add Online Device**
  Scan the QR code to add the device to cloud
- **Online Devices**   All Devices >
- **Connect Local Device**
  Automatically search for 3D printers within the same local area network
- **Configure WIFI Network**
  Connect 3D printer via bluetooth to set WIFI network parameters
- **Device Help**
  Device Manual, FAQ, Troubleshooting
- **Online Service**
  Contact customer service via Whatsapp

Control Panel

Not playing

Flashlight Silent Auto-rotate Share
Airplane mode Mobile data Location Screen shot
Eye Comfort Personal hotspot Screen Recorder Wireless Projection
Do Not Disturb NFC Dark mode eBook mode

WIFI Configuration

Please turn on the Bluetooth function of your mobile phone, scan the QR code in the network settings menu with the camera, and automatically search and connect the printer. Or manually search for all Bluetooth devices starting with BLUFI_, and select the device that matches the last 4 digits of the device serial number to connect.
This function is only for Tina2S, X40, hephi3s, F370, etc. Please configure the WIFI network on the display.

- Scan the QR code on the printer screen, and automatically search and connect the printer.
- Search and display all Bluetooth devices starting with BLUFI_

Search for 3D print...   Refresh

Device name: **BLUFI_1B54**
UUID: **943CC6C11B56**

WIFI hotspot list   Refresh

- WBS-OFFICE-2.4G
- WBSMAKER
- WBS-GUEST
- TX
- WBS-TEST9
- MW
- WBS-ADMIN-2.4G

1. Choose " WIFI Configuration".

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

3. Scan the code or search bluetooth.

4. Click "bluetooth".

5. Select 2.4G WIFI, enter the password.

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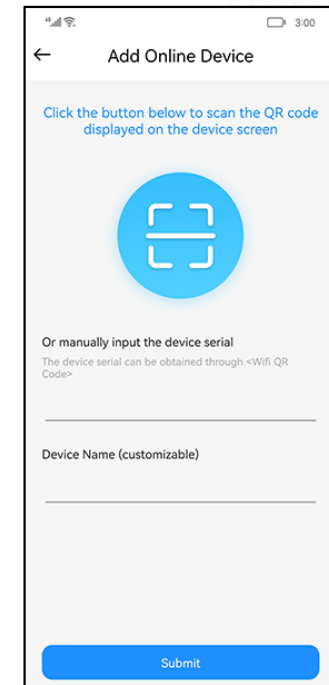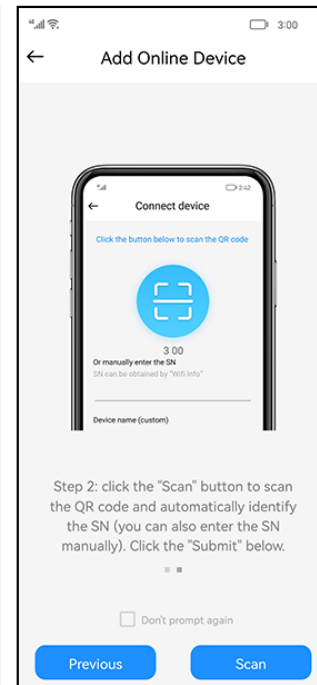2. Tina2s will display the IP on the screen if the connection is successful.

③ **Poloprint Cloud** -- connect 3D printer
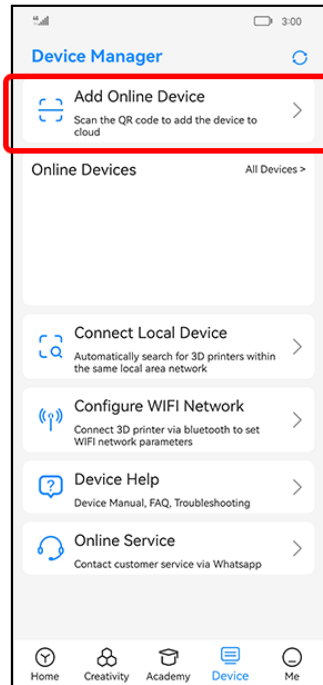
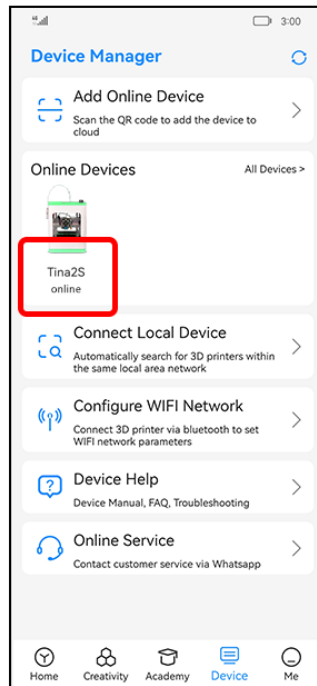1. Click "Add online device".
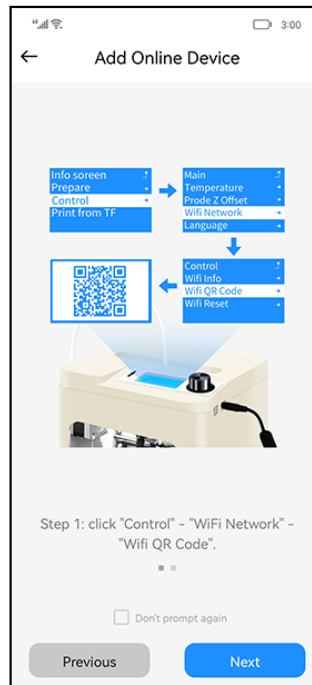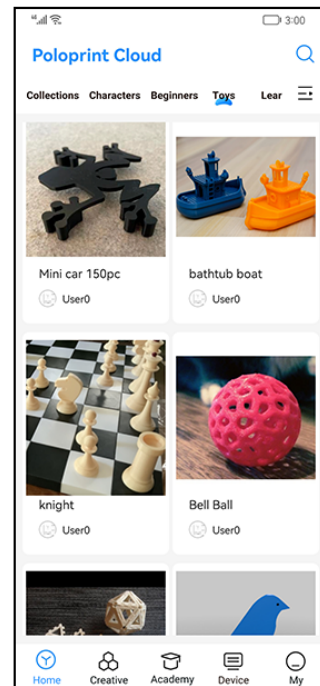
2. Operate according to the tutorial.

3. Scan and submit.

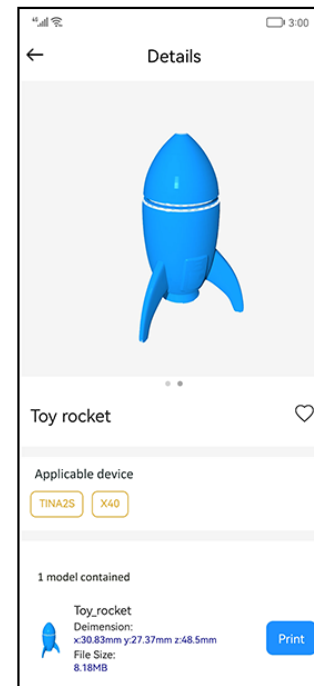Note: This action will add your device to the cloud server.
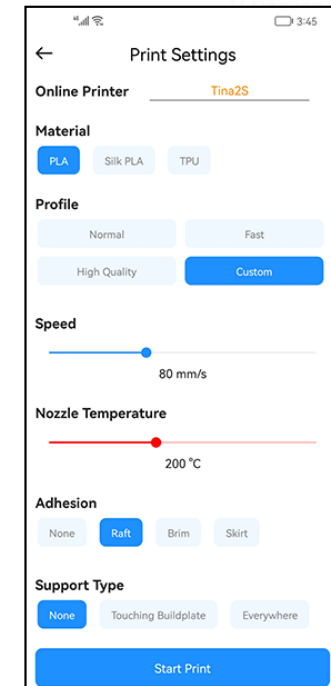
④ **Poloprint Cloud** -- print model

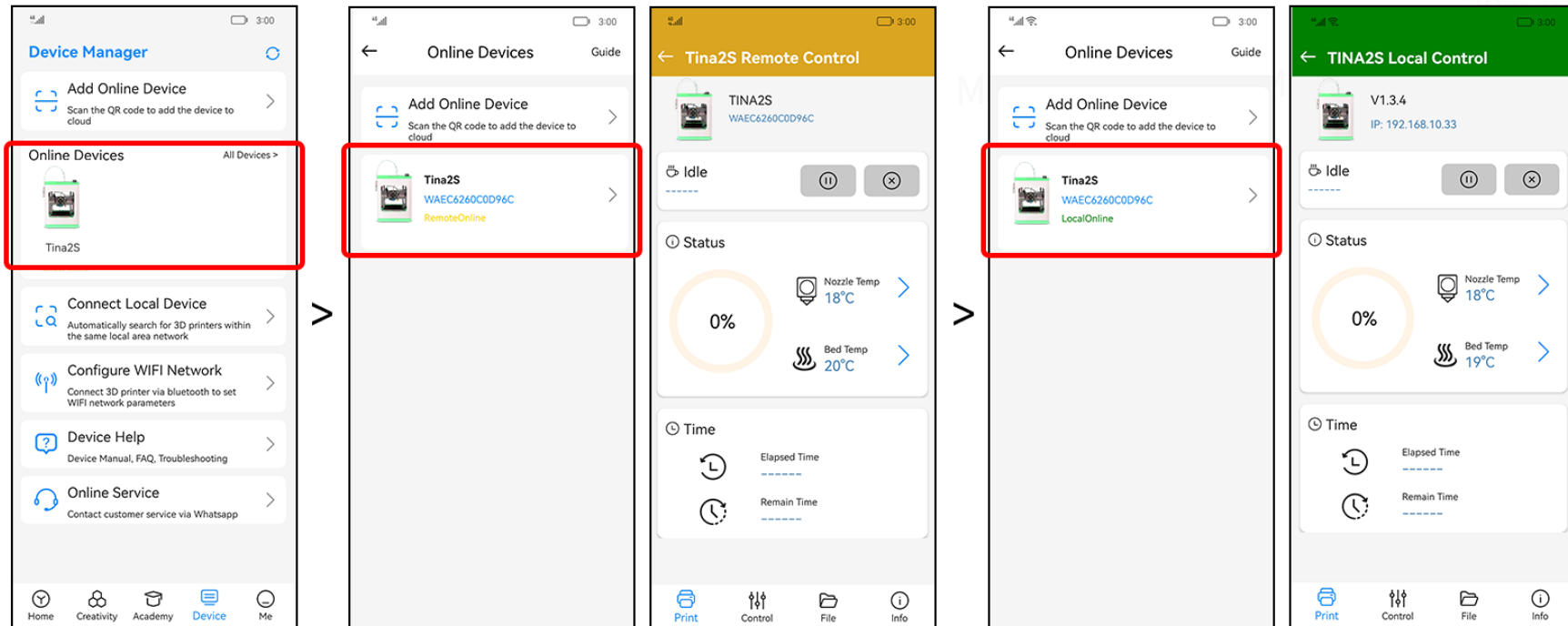1. After the device is "online".

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. The app and the device are under different networks, "remote control" can be used.

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

Note:
1. "Local online" transfers faster than "remote online".
2. "Local online" has more control functions.
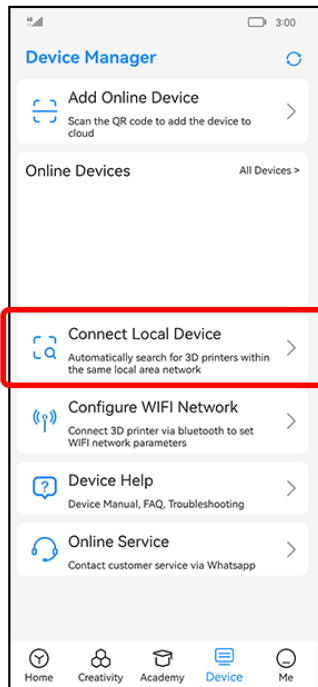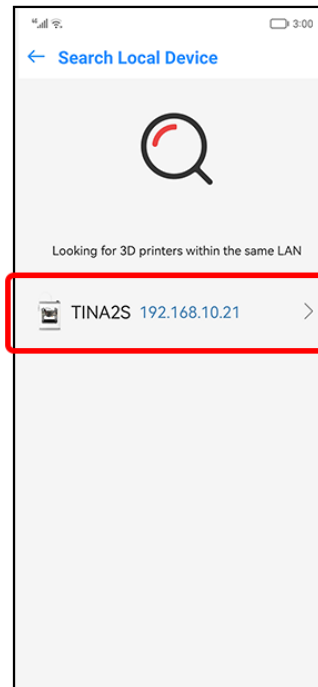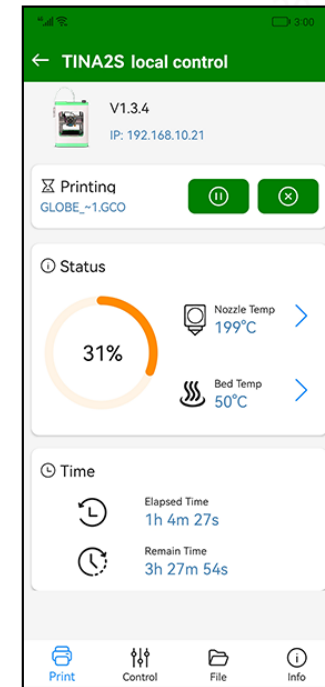
1. If the user doesn't want to access the cloud server, the local device can be used.

2. Click the IP.

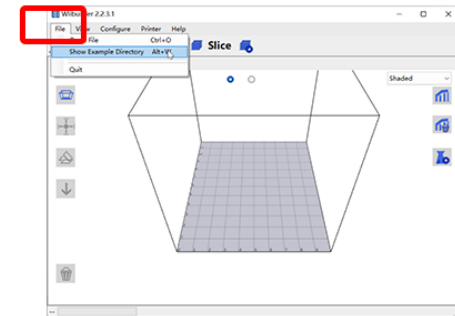Note: The app must be under the same network as the device.

|PC

① **Wiibuilder** -- install and add models
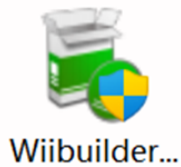
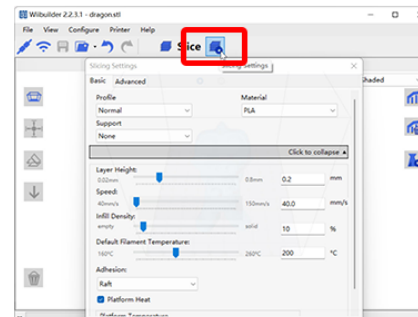1. Download and install Wiibuilder.
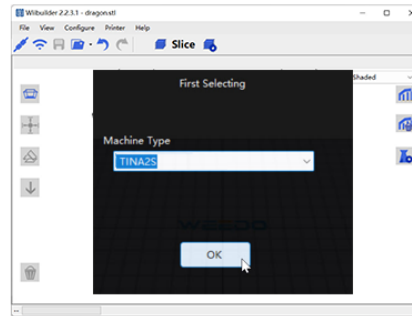
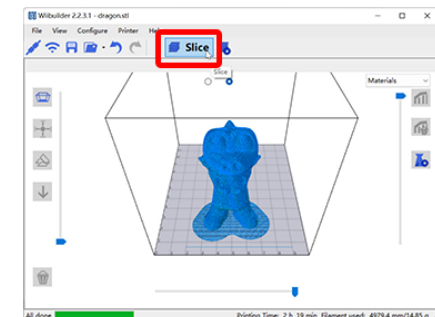2. Open the Wiibuilder.
   Select the printer.

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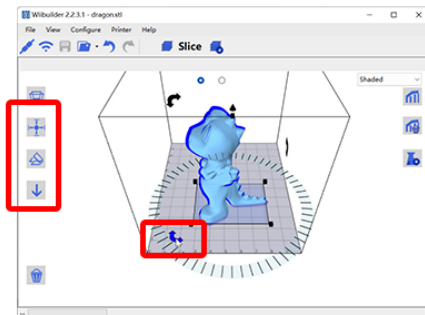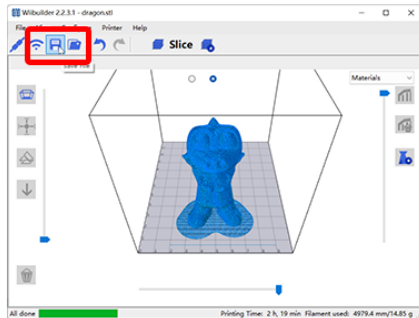

4. Click and adjust the model.

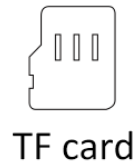5. Set slicing parameters .

6. Click "Slice" .

Note: The installation has been stored in the TF card.
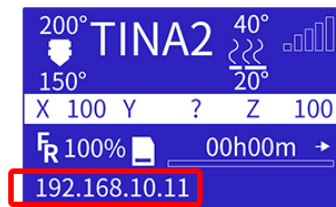
② Send files by TF card

1. Click "Save File".
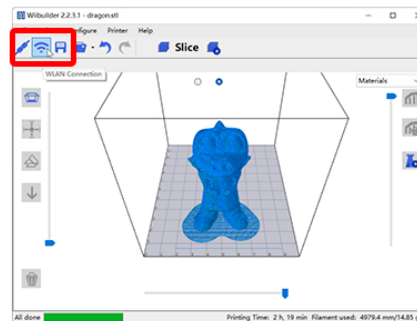

TF card

2. Save file to the TF card.

Info screen
Prepare →
Control →
Print from TF

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

③ Send files by the network

200° TINA2 40°
150° 20°
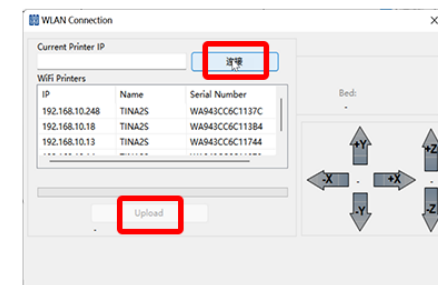X 100 Y ? Z 100
FR 100% 00h00m →
192.168.10.11

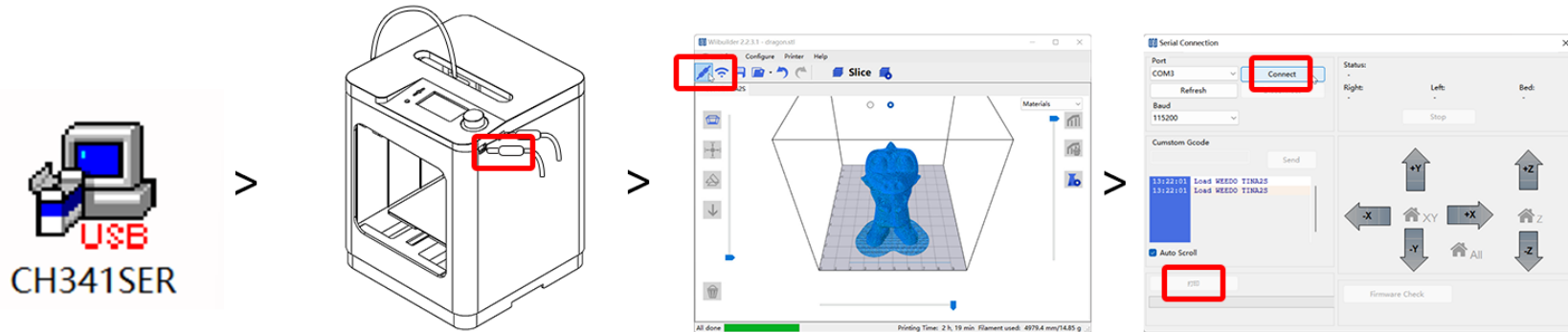1. The info screen show the IP address.

2. Click "WLAN Connection".

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

④ Send files 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. Click "Connect". Click "Print".

|HELP

1. Users can inquire more about 3D printer knowledge in Poloprint Cloud and manual.

2. If the device fails, you can check 【Academy】, or 【Device】-【Device Help】in Poloprint Cloud. You can also use the 【Log】 function（LAN）in Poloprint Cloud.

3. If you have problems that cann't be solved, please contact technical support via email or Whatsapp in Poloprint Cloud.