# What is Bambu Studio?

Bambu Studio is based on PrusaSlicer by Prusa Research, which is from Slic3r by Alessandro Ranellucci and the RepRap community.

Bambu Studio is our cutting-edge, feature-rich slicing software developed by Bambu Lab, which is used to prepare the files for 3D printing. It contains project-based workflows, systematically optimized slicing algorithms, and an easy-to-use graphic interface, bringing users an incredibly smooth printing experience.
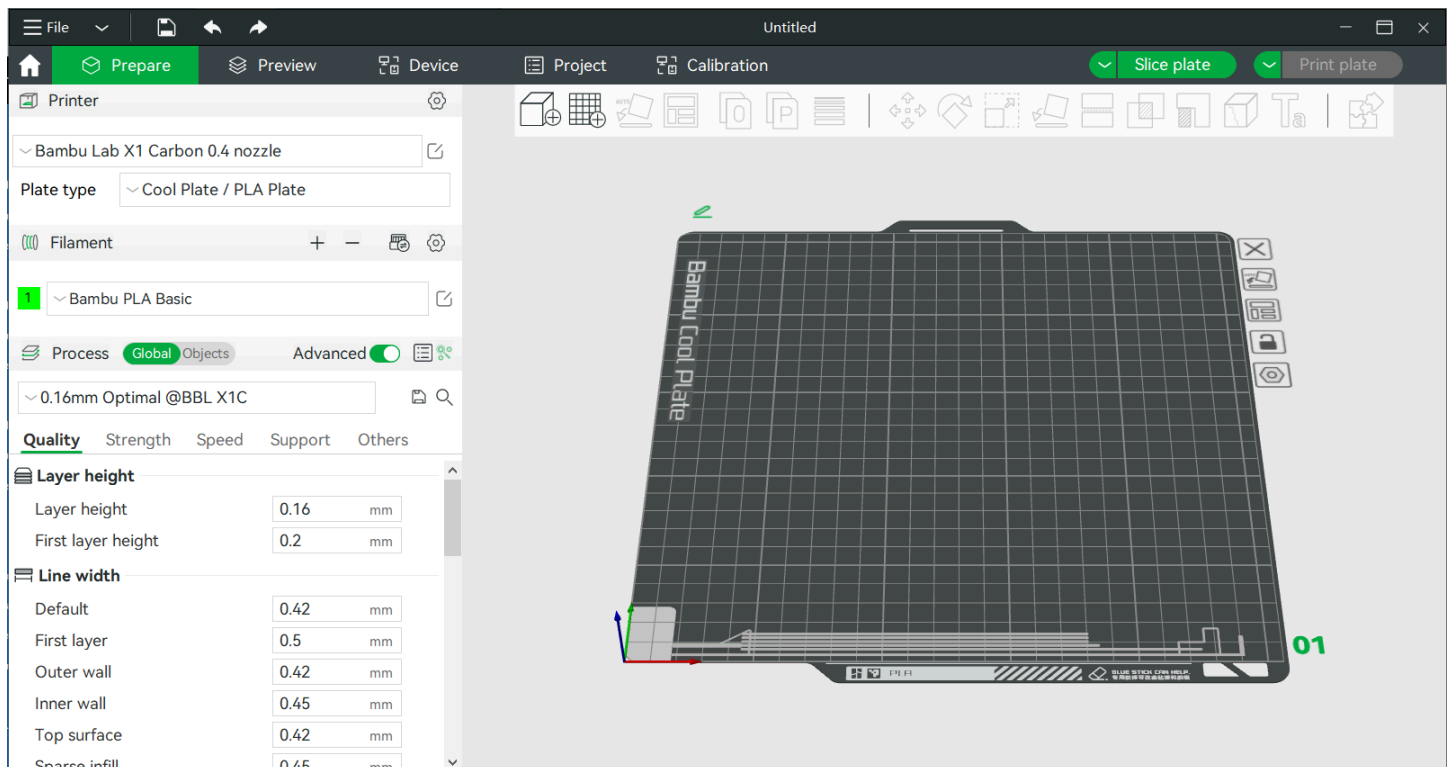
System Requirements

Windows 10 or higher

Mac OS X v10.15 or higher

Linux Ubuntu 20.02 or higher/Fedora 36 or higher (Linux version needs to be downloaded from github)

Intel® Core 2 or AMD Athlon® 64 processor; 2 GHz or faster processor

OpenGL 2.0-capable system

Recommend 8GB RAM, at least 4GB

2.0 GB or more of available hard-disk space

Download & Installation

1. Download Bambu Studio
2. Install Bambu Studio by following the step by step guide

Setup Wizard

Select Login Region

The first step is to select the region you are located in. A user account registered in North America for example, cannot log in if the region is set to China.

Printer Selection

Choose the printers/nozzles that you would like displayed in the slicer operation menu. You may select any or all of the options available to you. These options can be altered at a later stage through the slicer menu should you wish to only choose one at this stage and decide to change nozzle size at a later stage.
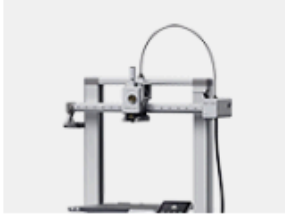
Filament Selection

Select the filaments you would like to see listed in the filament preset list, you can choose as many as are available.

Setup Wizard

Filament Selection

Filament type: ☑ All ☑ PLA ☑ ABS ☑ PET ☑ TPU ☑ PC ☑ PA ☑ ASA ☑ PVA

Vendor: ☑ All ☑ Bambu Lab ☑ Polymaker ☑ Generic

All Clear all

- ☑ Bambu ABS
- ☐ Bambu PA-CF
- ☑ Bambu PC
- ☑ Bambu PLA Basic
- ☑ Bambu PLA Matte
- ☐ Bambu Support G
- ☑ Bambu Support W
- ☑ Bambu TPU 95A
- ☐ Generic ABS
- ☐ Generic ASA

- ☐ Generic PA
- ☐ Generic PA-CF
- ☐ Generic PC
- ☐ Generic PETG
- ☑ Generic PLA
- ☐ Generic PLA-CF
- ☐ Generic PVA
- ☐ Generic TPU
- ☑ PolyLite PLA
- ☑ PolyTerra PLA

Back Next

Install Bambu Network Plug-in

The Bambu Network plug-in provides networking capabilities, such as printing via WAN/LAN, remote control, user data sync. The plugin installation requires Internet connection and will be auto-installed (if enabled) after the setup wizard.

Bambu Network plug-in

Bambu Network plug-in provides the following features:

- Sending print job via WLAN
- Full remote control
- Liveview streaming
- User data synchronization

☑ Install Bambu Network plug-in

Back   Finish
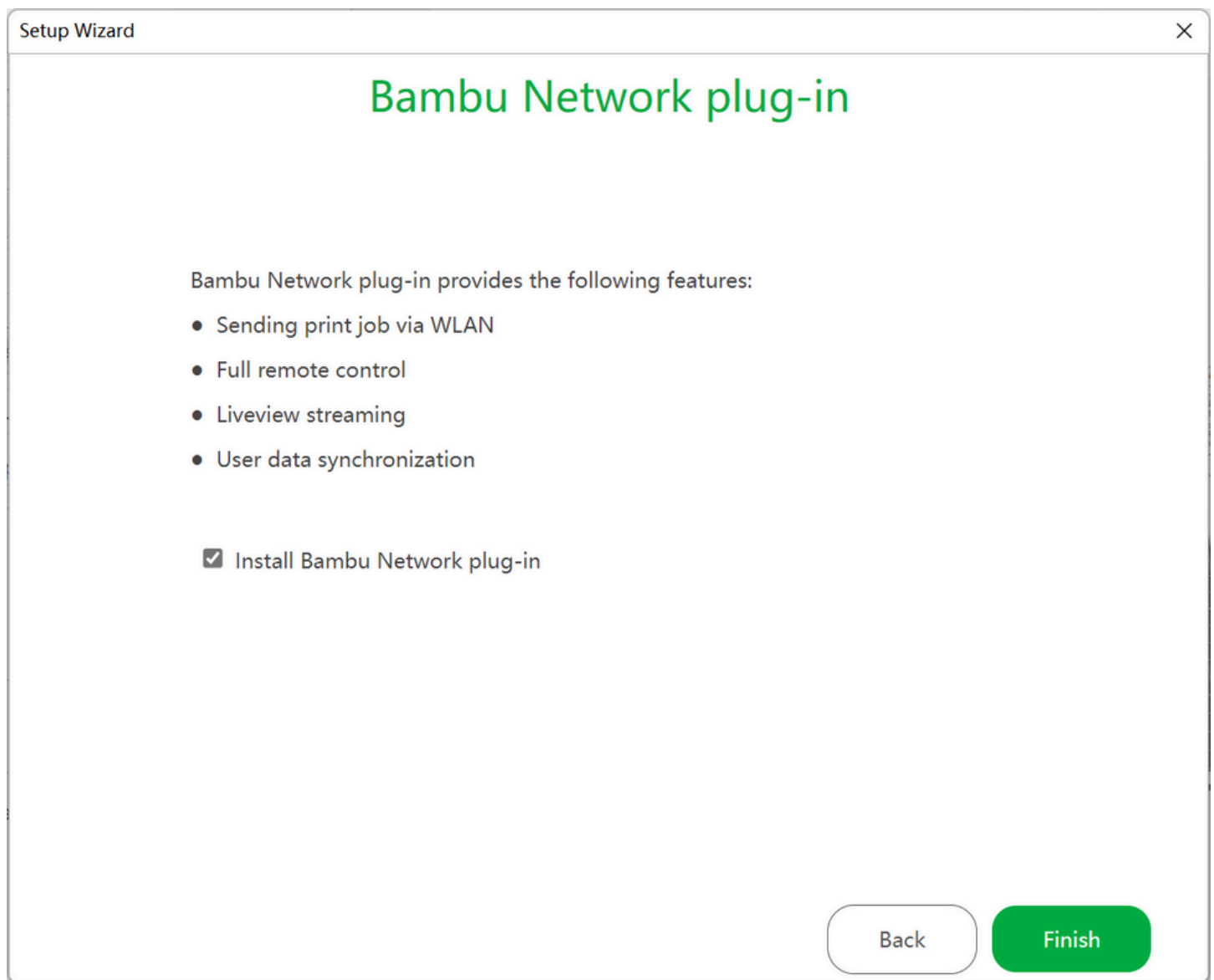
First Print

Log in to your account (optional, but strongly recommended)
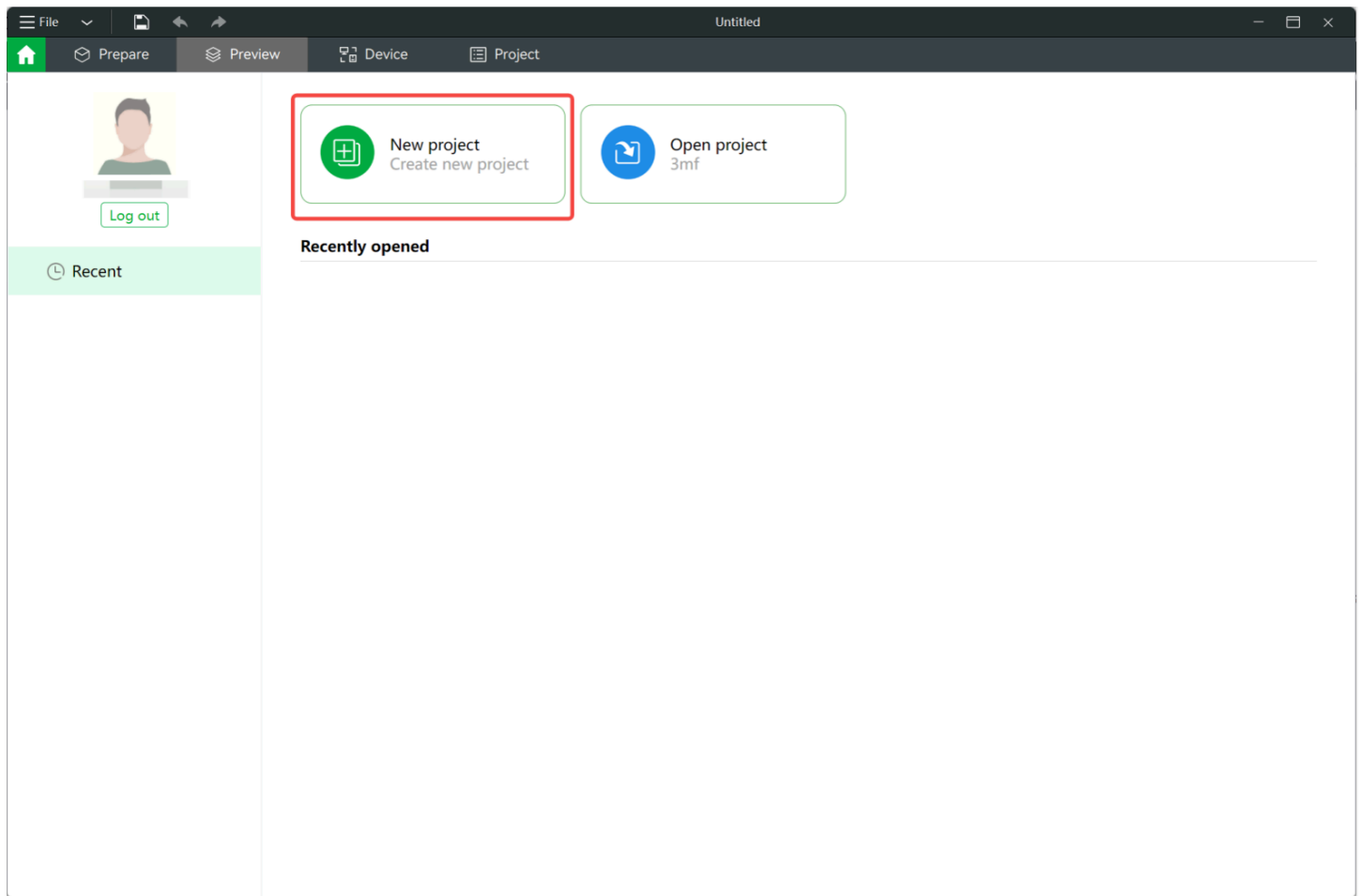
[Prerequisite]: You will need the Bambu Networking plugin in order to log in.
This is required to enable print history which allows you to reprint your history models on the Bambu Handy app. Also, your user settings can be synchronized to Bambu Cloud in order to share information among your PC devices.
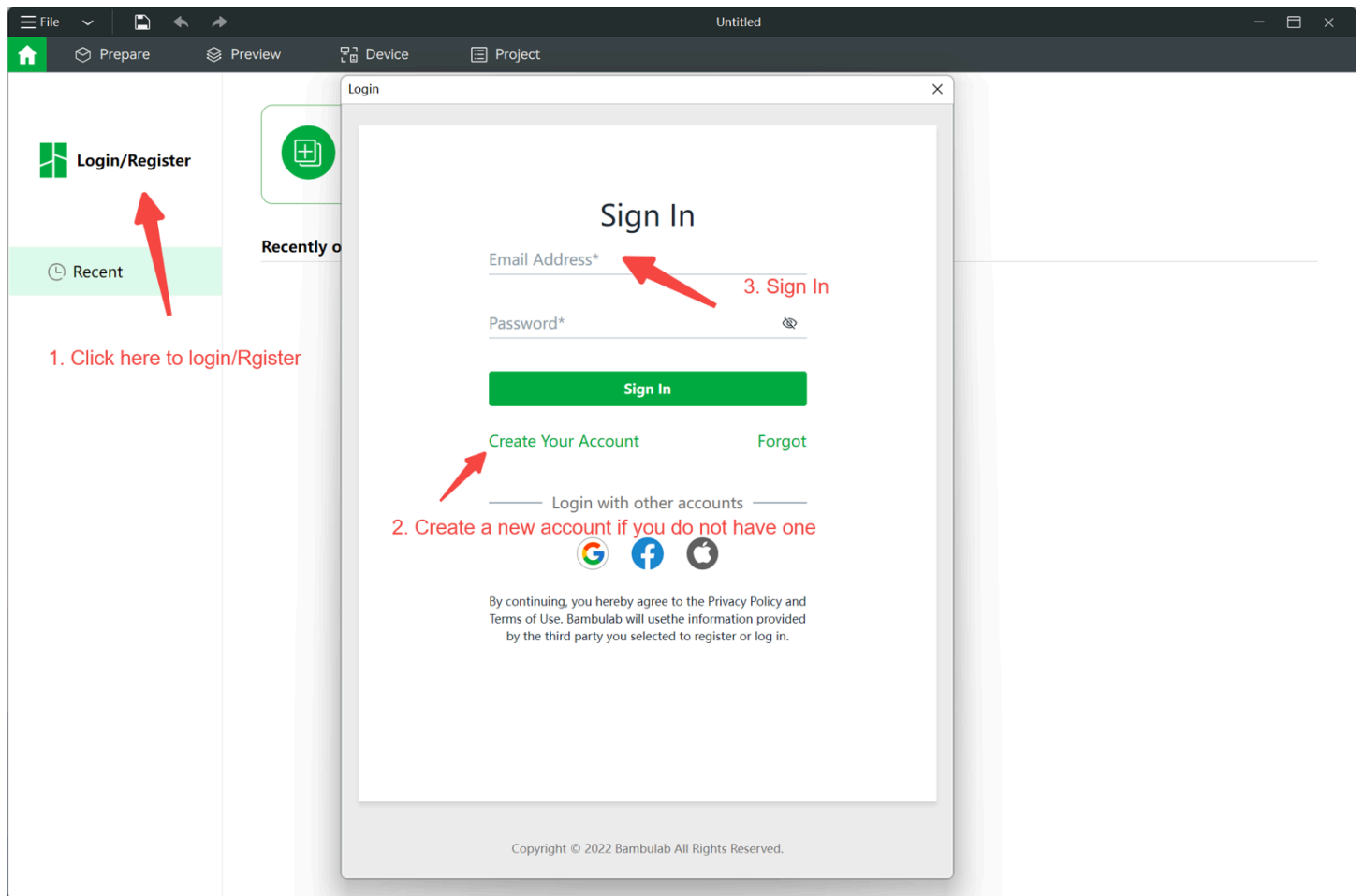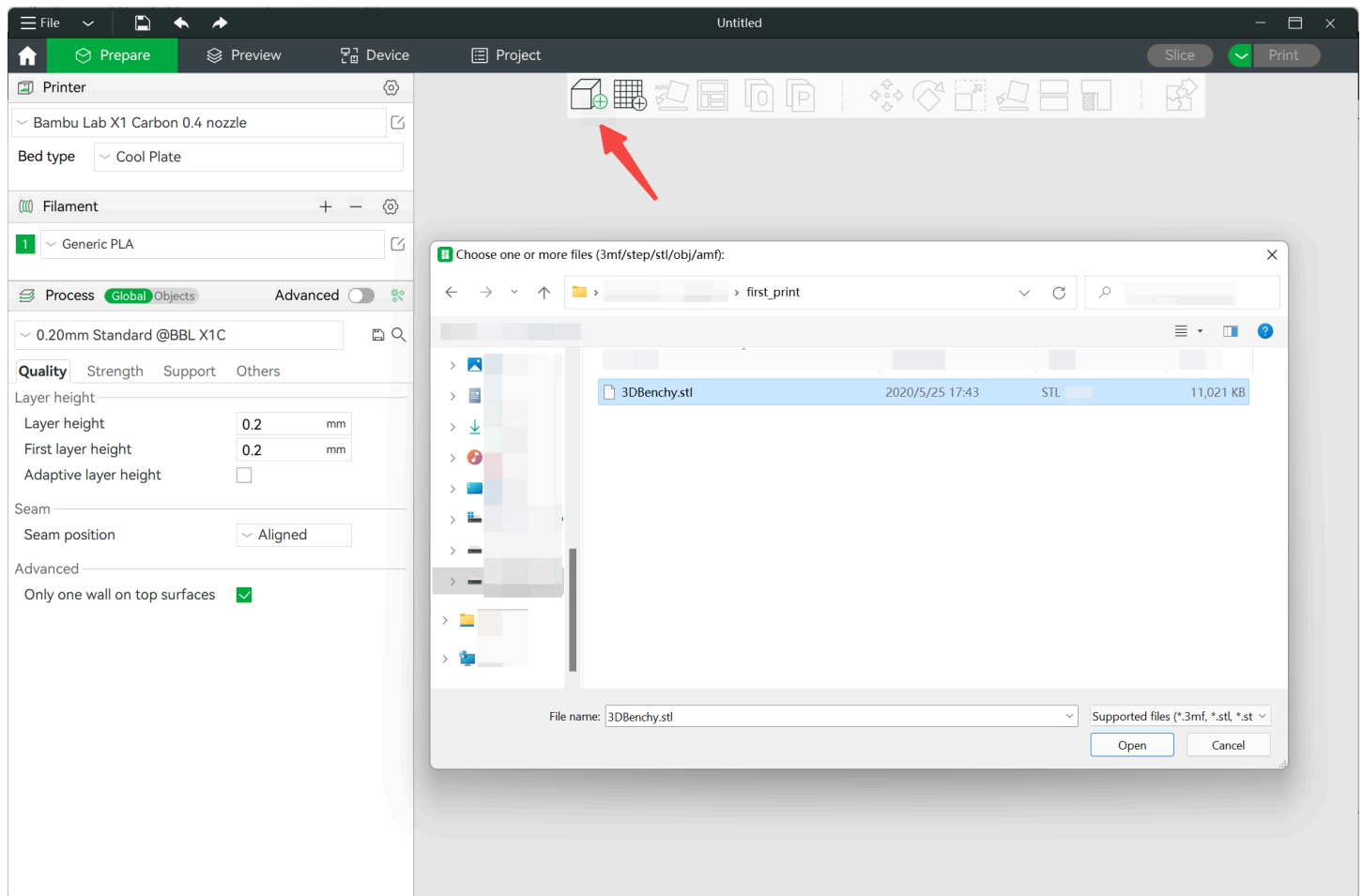
Create a new project

To start slicing a model, click on **New Project**.

Add a model

On the top toolbar of the preview pane, click on the first icon **add** to import a model. You can also drag and drop model files from a folder into Studio. Supported files include .3mf .stl .stp .step .amf .obj.

Select Printer/Filament/Process presets

To start slicing the model, you need to choose the presets for the machine you are using, for the filament you will print with and also the settings you want to print the model in.

1. Select the printer you are using from the drop-down list under **Printer**. This will also include the nozzle size you will be printing with
2. Under the **Filament** section, select the type of filament you intend to use from the drop-down list

Choose the layer height you want your model to be printed in from the **Process** drop-down menu. **Always remember that the smaller the layer height, the longer the print will take. For the majority of prints, a 0.20mm layer height is the norm.**
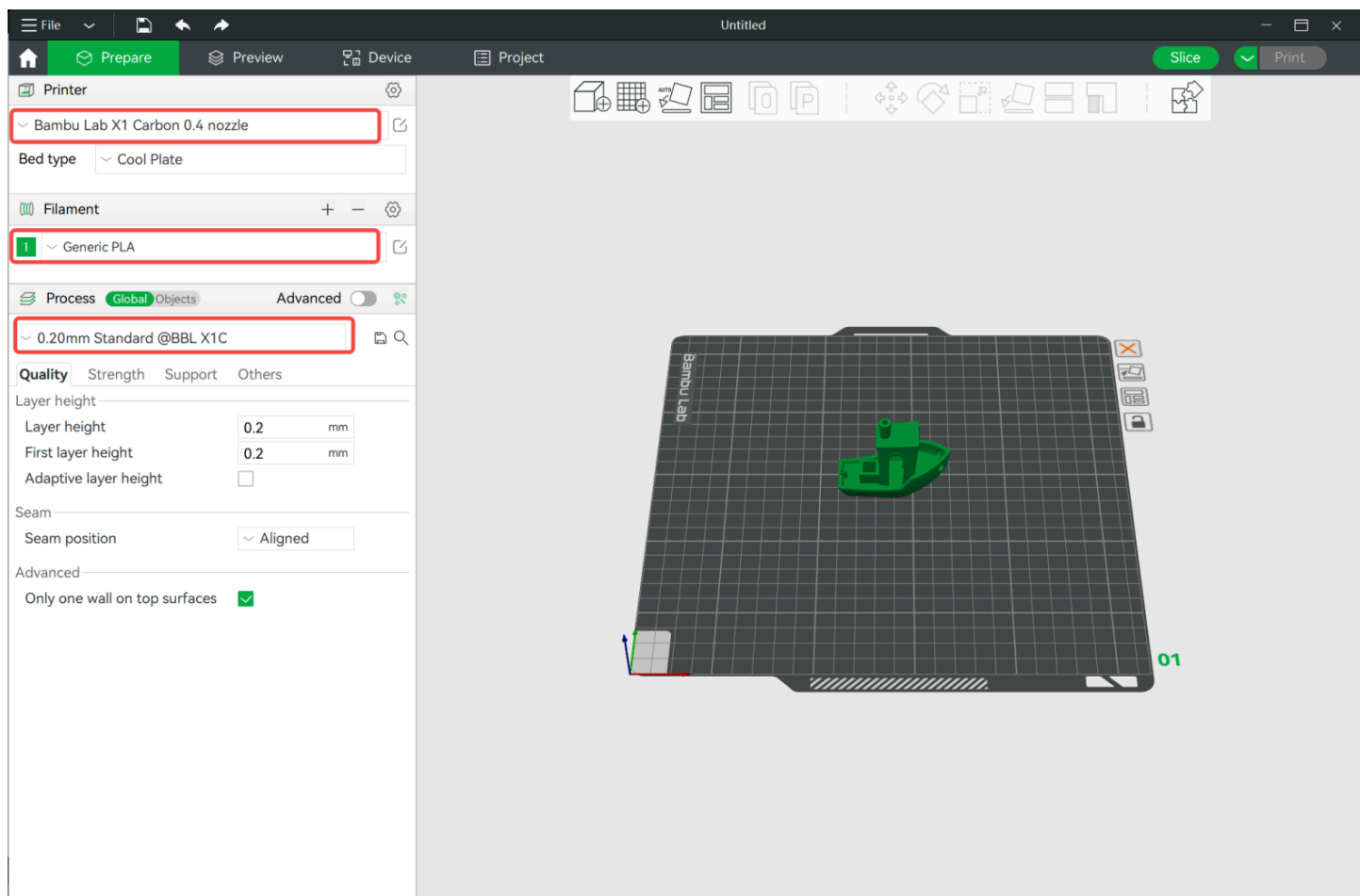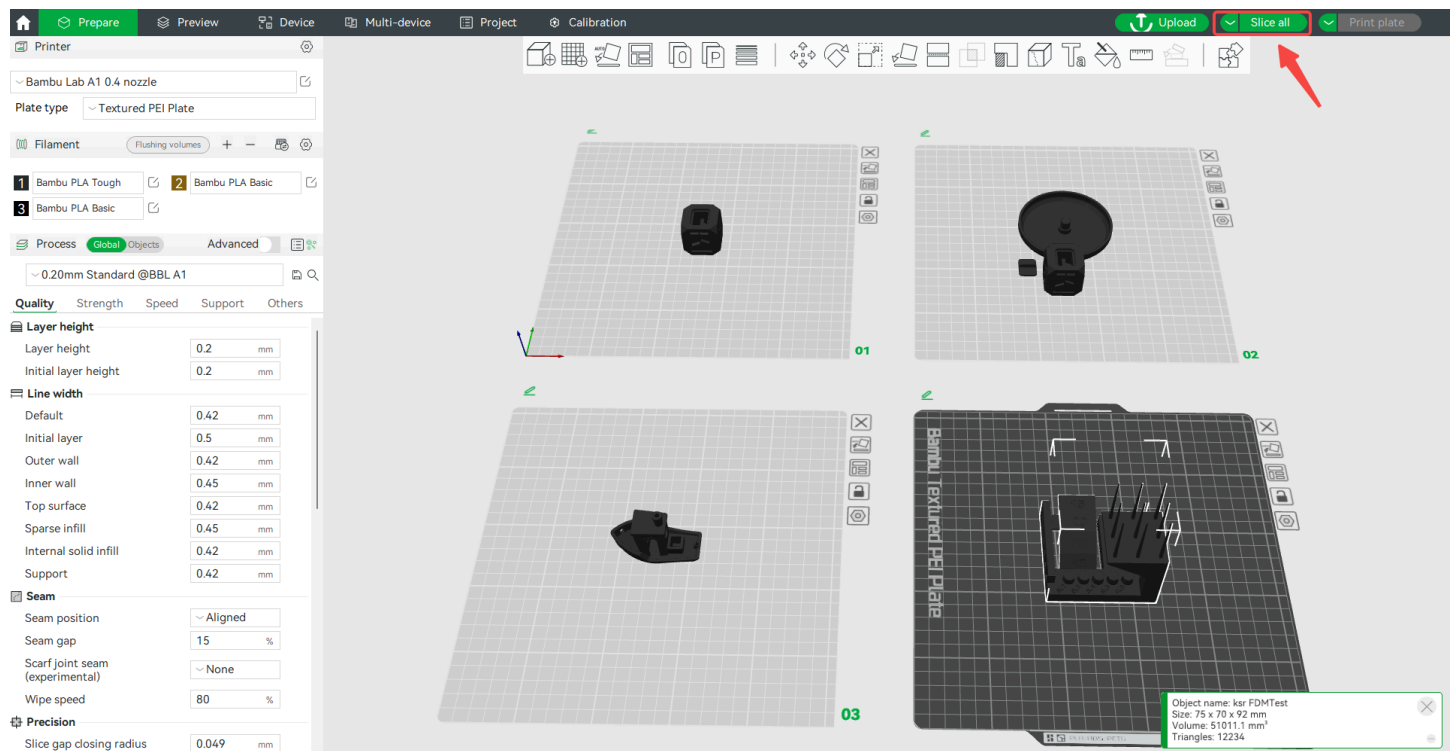
Slice plate

Once done, click on the **Slice** button located on the top hand right of Bambu Studio.
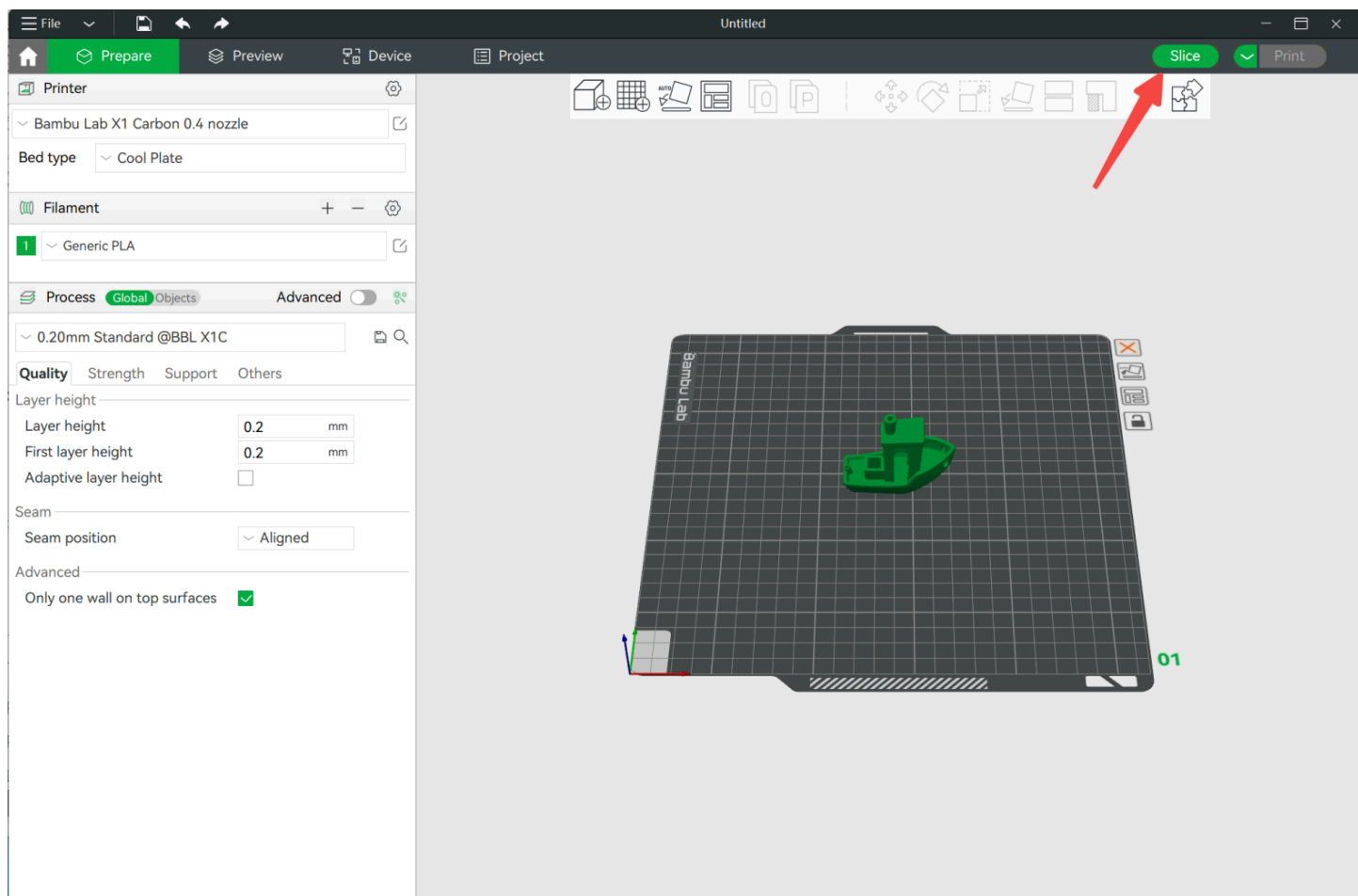
If the model file contains multiple disks, click **Slice All** in the upper right corner of the screen.

Once done, the slicer will take you to the Preview pane which will show you what the sliced model looks after processing the .3mf file. The histogram on the right hand side will also show you information on the printing times for each parameter of the print.
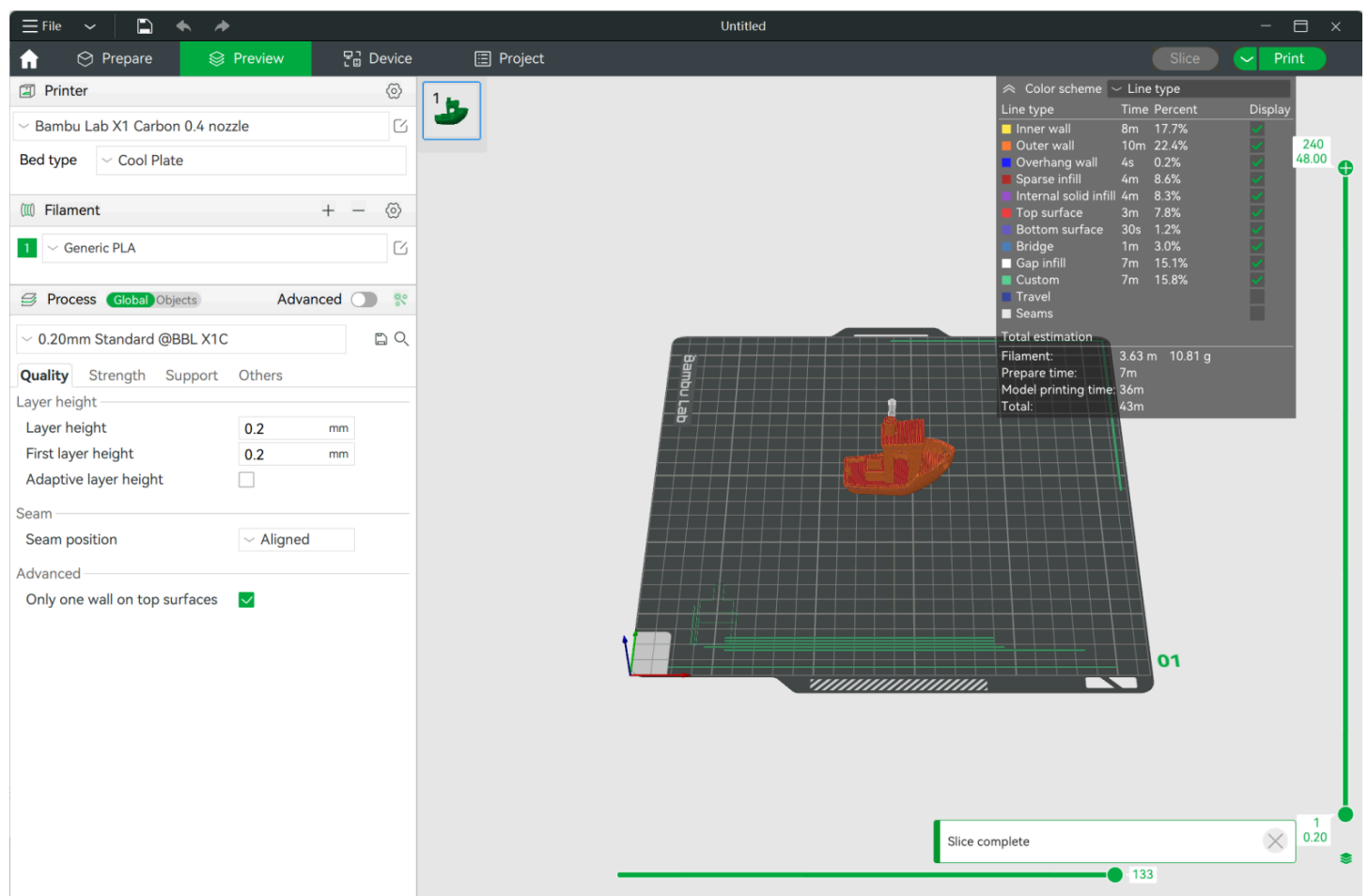
Send print job

Print plate
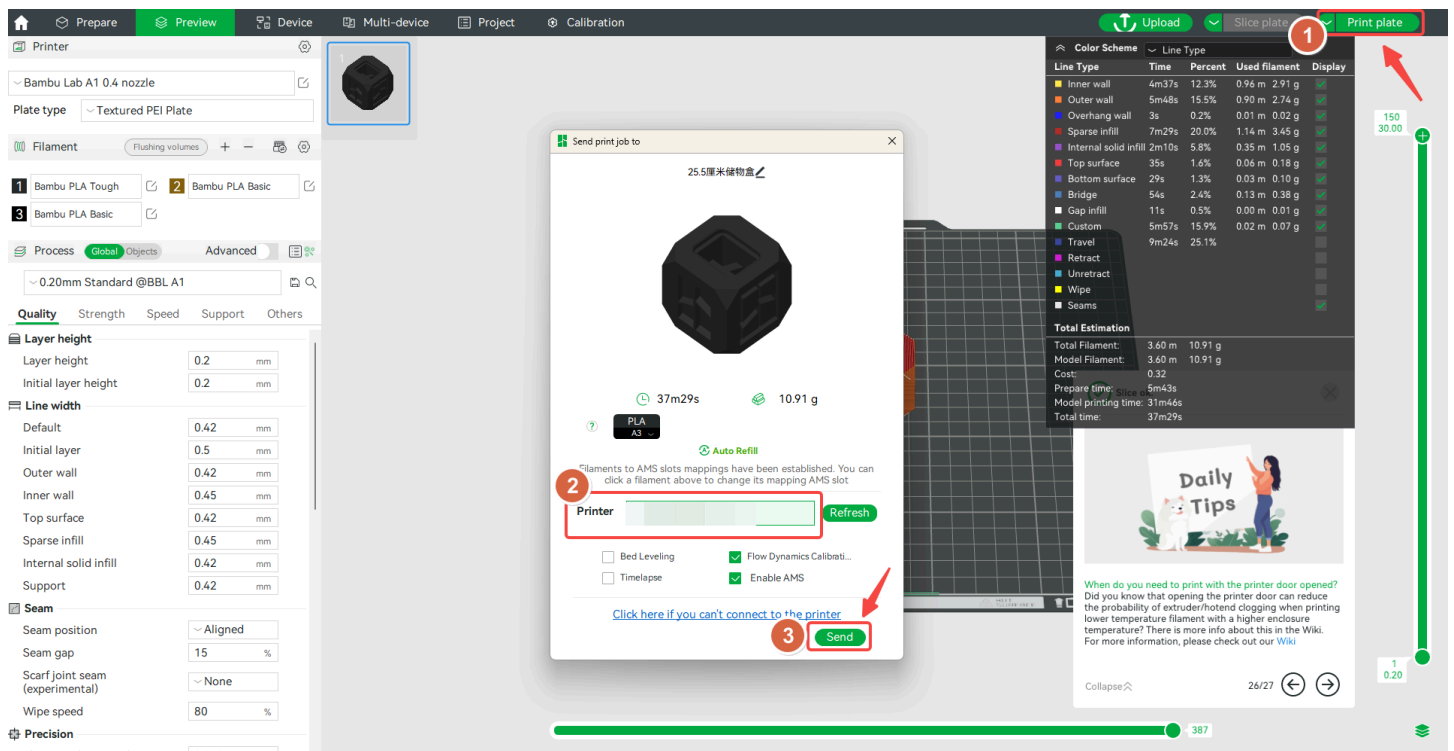

Click **Print** on the top right-hand corner. This will prompt a pop-up window with a quick preview of the model and will also ask you to select the Printer you want to send it to from the drop-down list, and you will also give you the option to choose whether or not you want the printer to perform certain functions like Bed Leveling, flow calibration, etc before the print starts. Once done, click "Send" to send the file to the printer and start printing.

Print all

Please click Bambu Studio Multi Plate Printing Guide for more information.

Note: You will need to have Bambu Network plug-in installed to be able to send files via WLAN, and make sure that the Bambu Studio and the printer are on the same LAN.

Send/Send all

Click the arrow on the left of **Print plate** in the upper right corner of the screen, select **Send**.
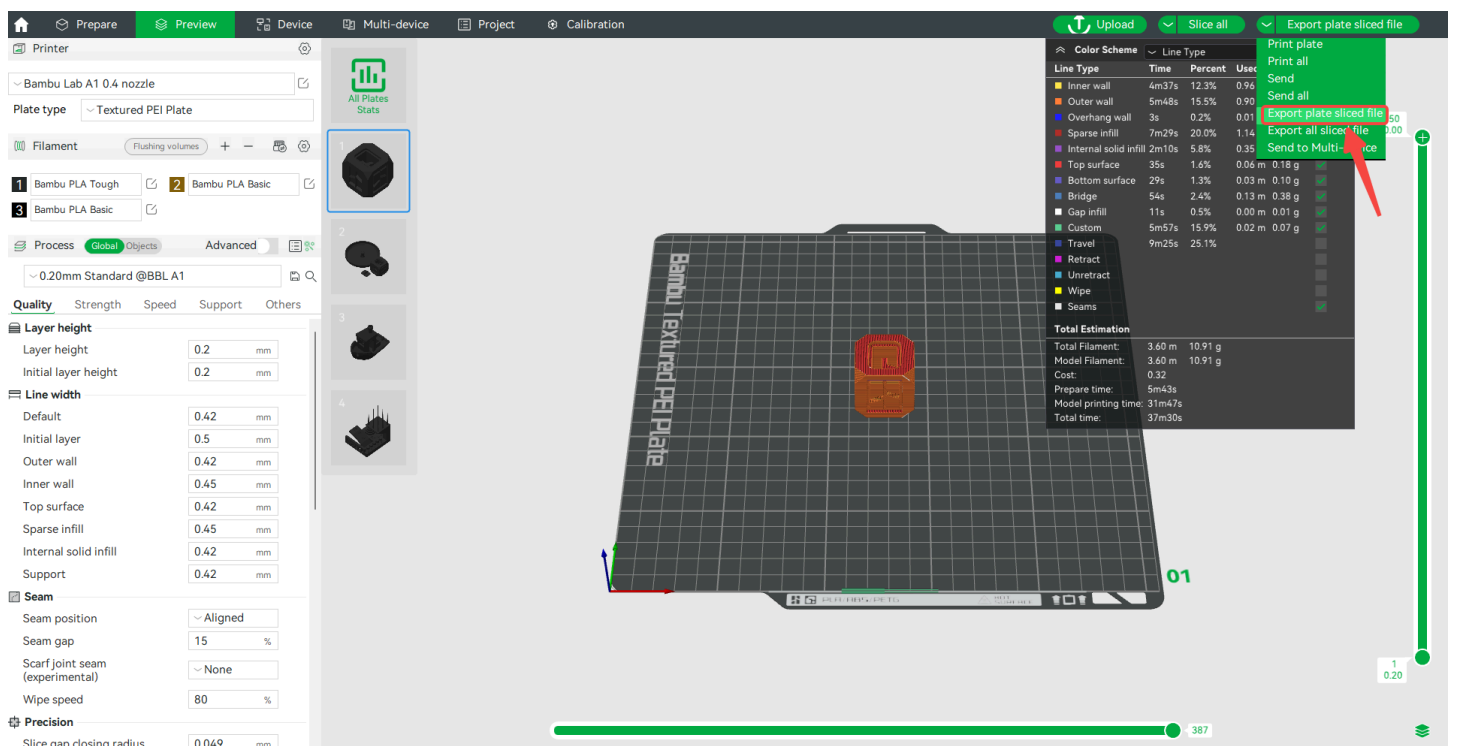
If the model file contains multiple disks, click the arrow on the left of **Print plate** in the upper right corner of the screen, and select **Send all**. A **Send to Printer MicroSD card** window will pop up on the screen. Select the printer to send to, and the model file can be sent to the SD card of the printer.
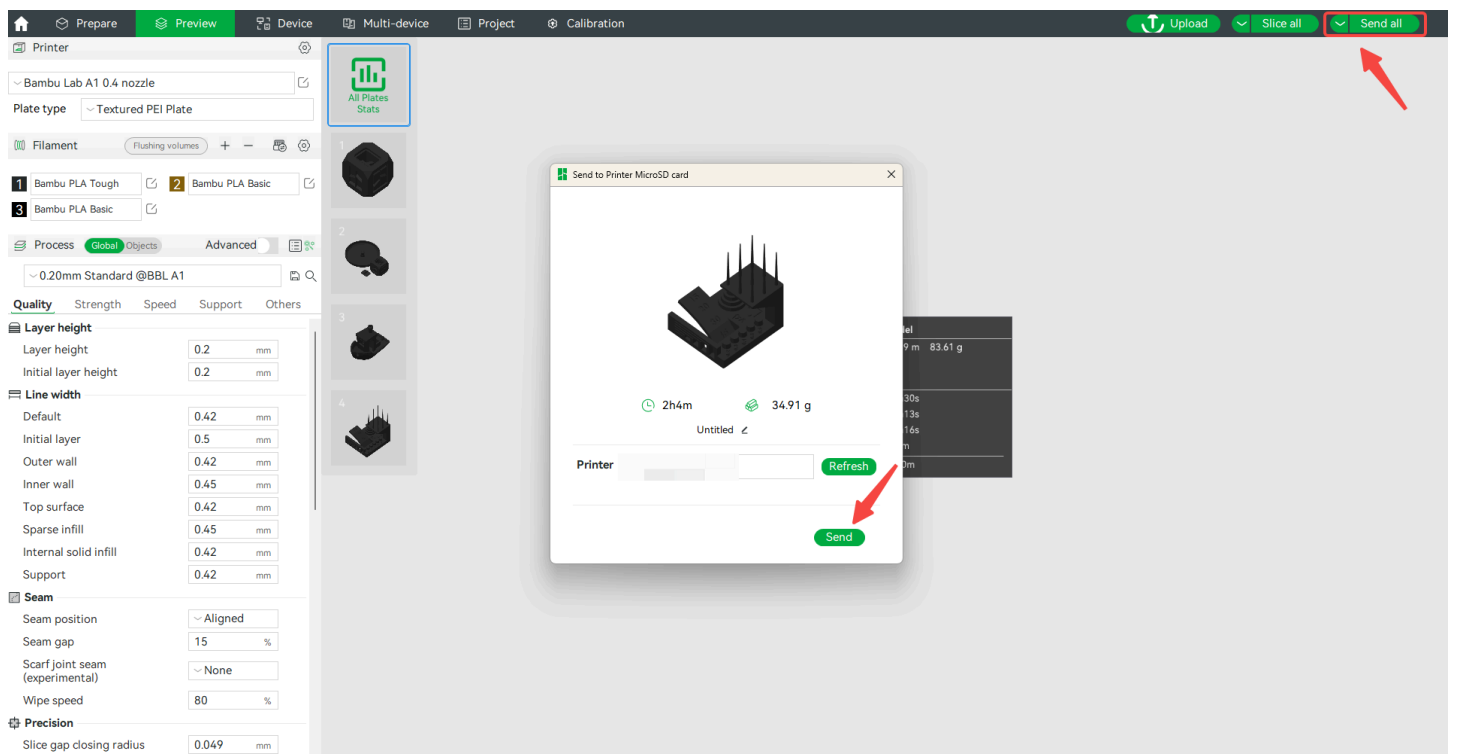
Note: Make sure that the Bambu Studio and the printer are on the same LAN.

## Export plate/all sliced file

Eject the printer SD card from the printer and insert it into your computer. Click the arrow to the left of **Print plate** in the upper right corner of the screen and select **Export plate sliced file**, click the selected **Export plate sliced file** to confirm.


If the model file contains multiple disks, you can click the arrow to the left of **Print plate** in the upper right corner of the screen and select **Export all sliced file**.
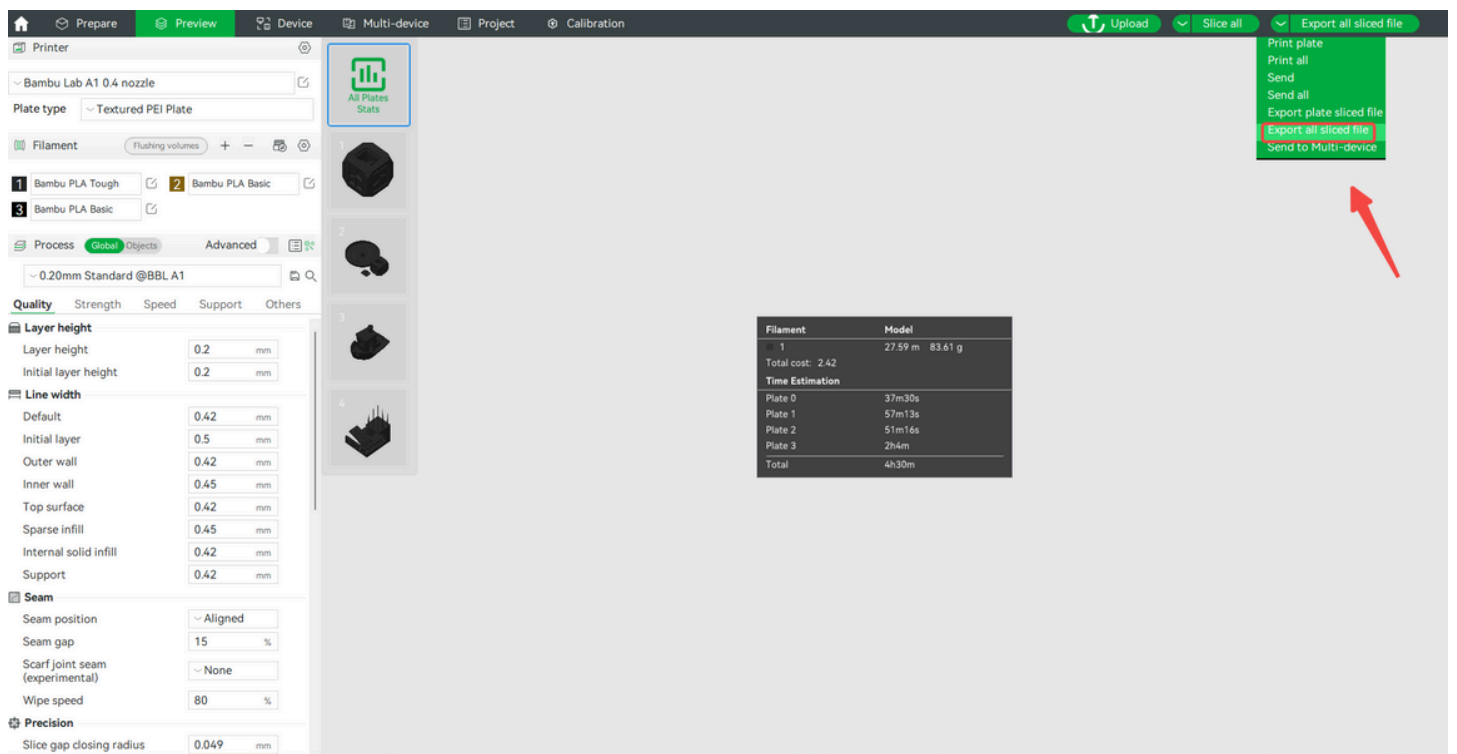
A file explorer window will pop-up in order for you to select the location of the SD card. Then, click on **Save** and the file will be exported to the SD card.
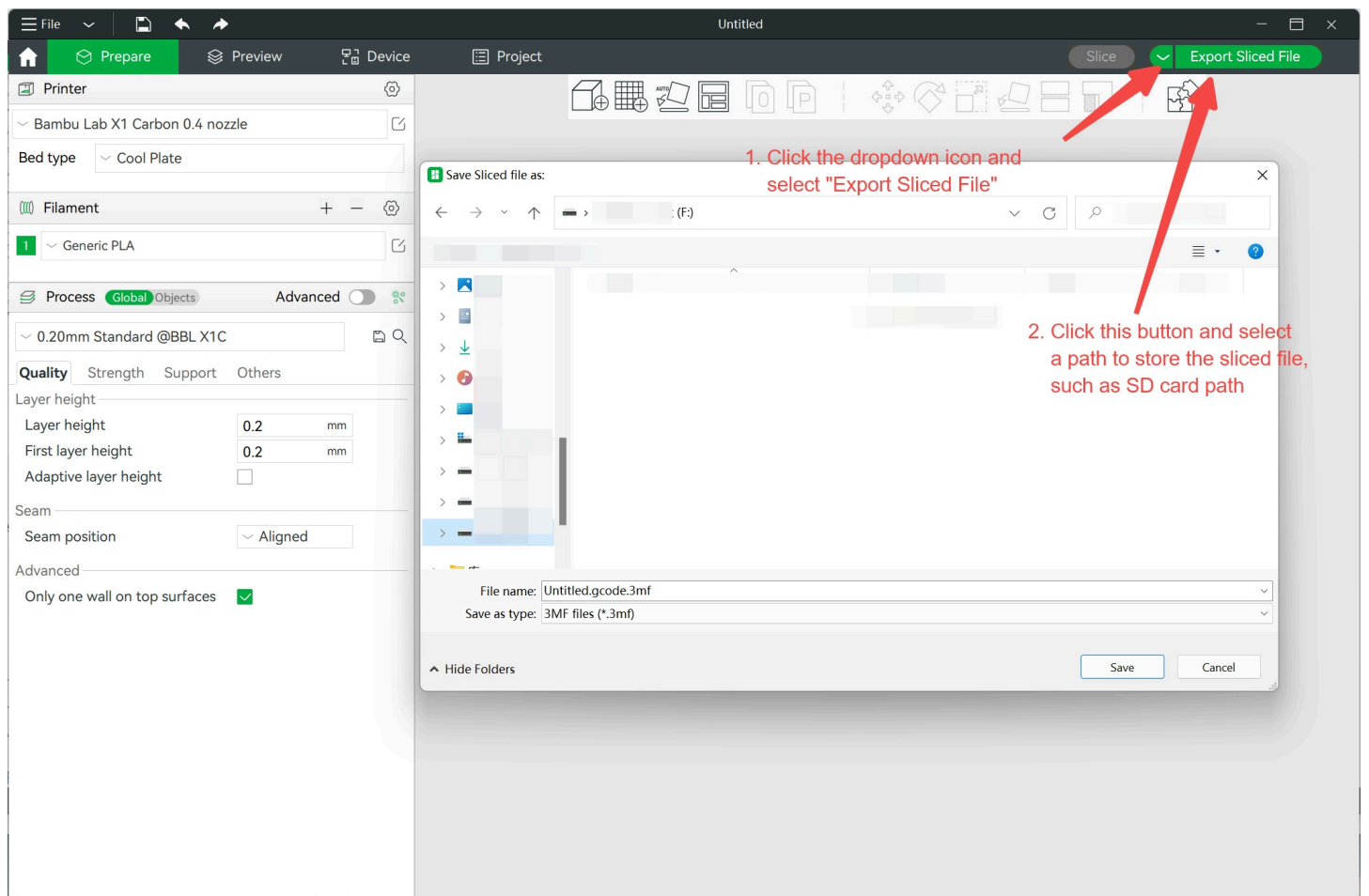
Once saved, take the SD card and insert it into the tiny slot located on the right-hand side of the Printer Display screen. Press the **folder** icon on the left-hand menu selection on the screen, and then select **SD Card** option from the top menu. Click on the file you just exported to start printing.
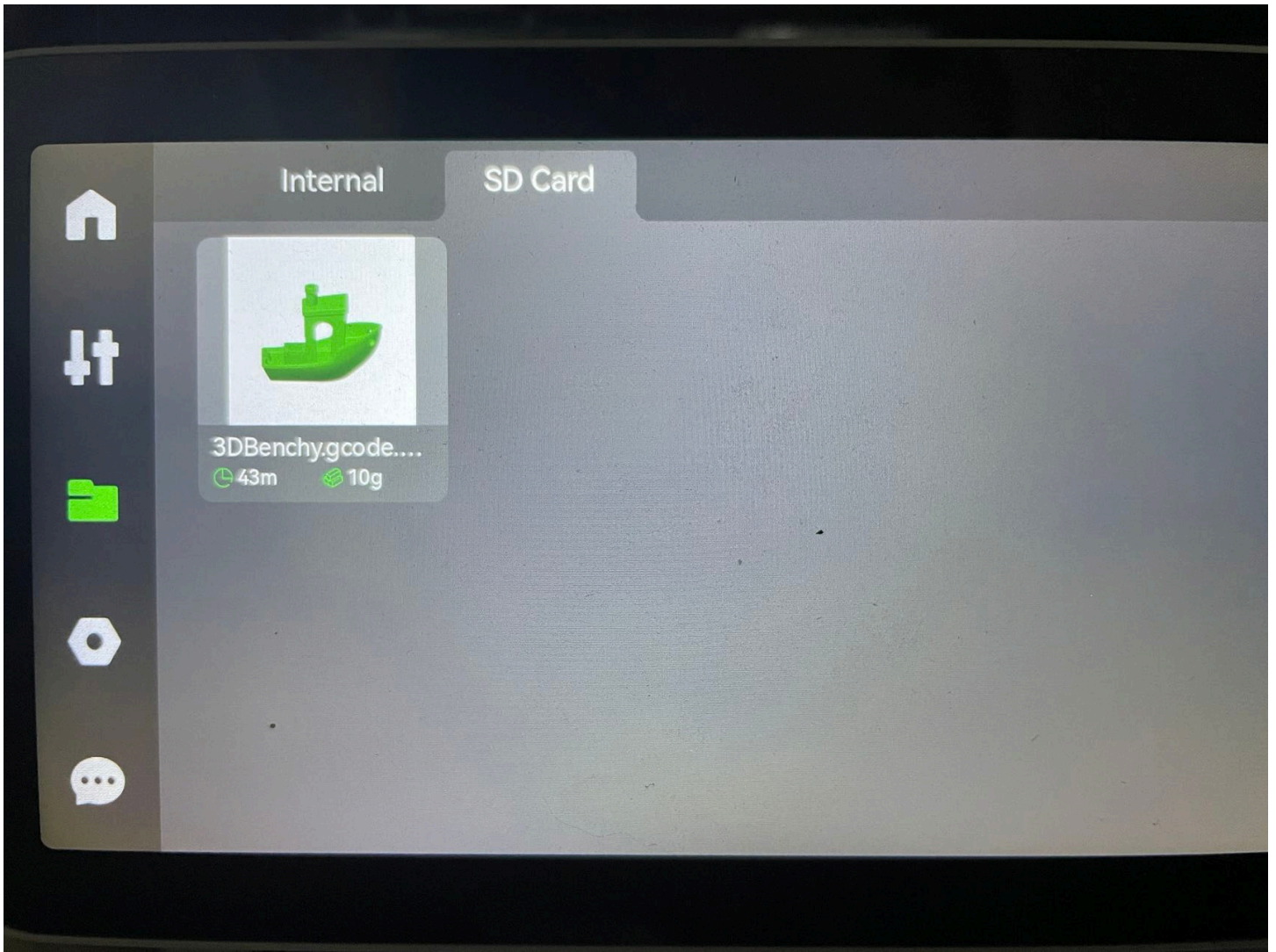
**For a detailed guide to printing from the SD card for each model, see:**
How to print from Micro SD Card on Bambu Lab X1

Send to Multi-device

Please click Multi-device management for more information.

Remote Control

Going to the **Device** surface on the Studio will allow you to control and monitor the print remotely in real time (Please check this wiki: remote-control). If you have a camera installed in your machine (Standard on the X1E), you can also watch a live feed of the print remotely
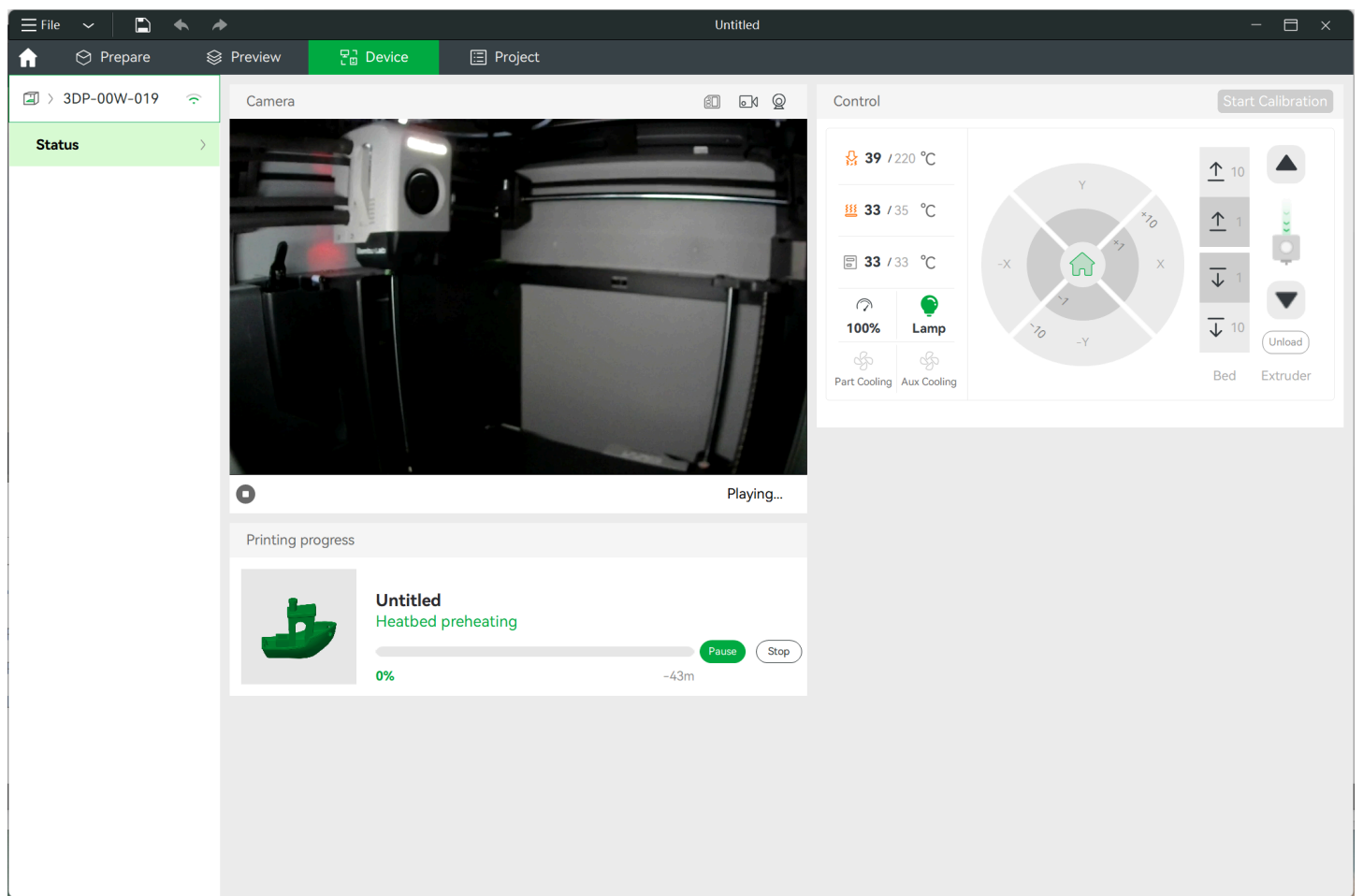
Note: You will need to have Bambu Network plug-in installed to be able to access the machine through this process.