

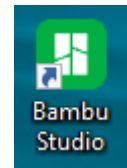
Lantern Project

3D Printing – Steps to Success!

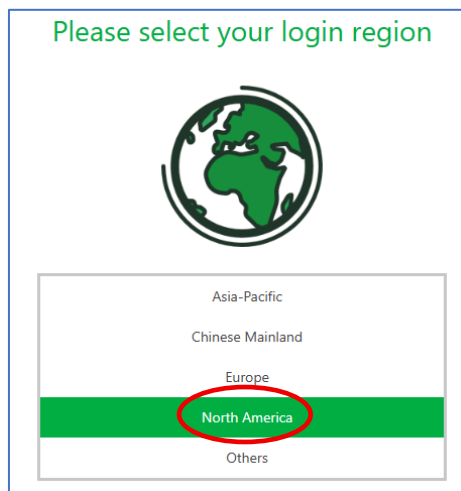
1 - SOFTWARE SETUP

**** You may or may not need to go through the setup steps****

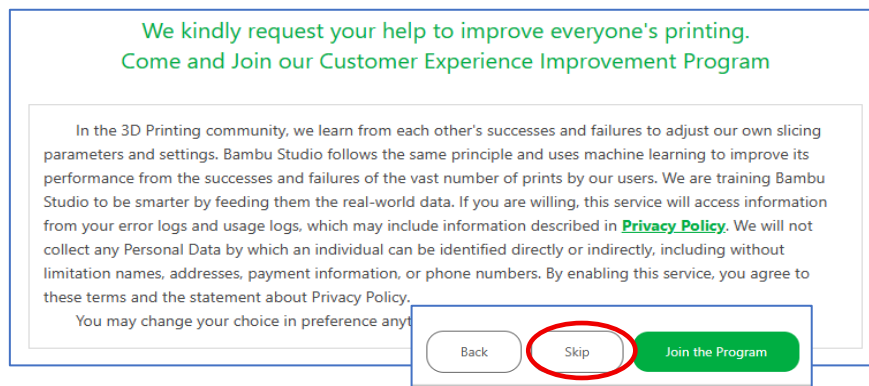
1. Open the 'Bambu Studio Software' (link on your desktop or search for it)



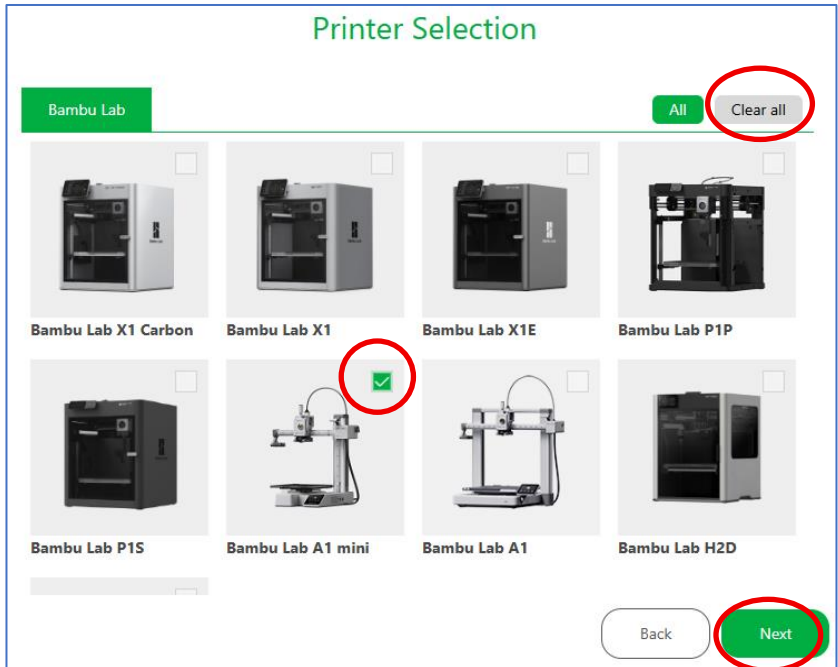
2. Select 'North America'.



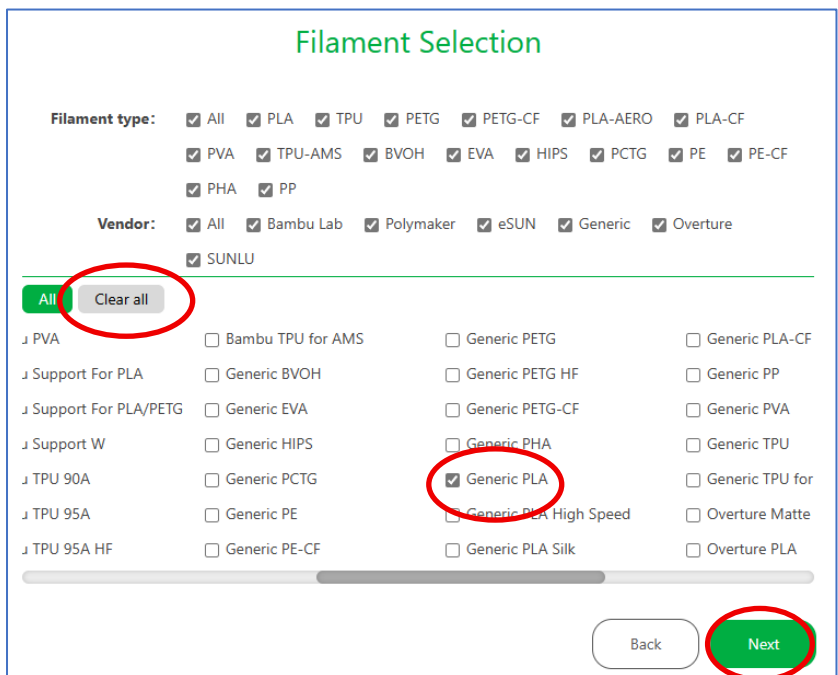
3. Choose 'Skip'.



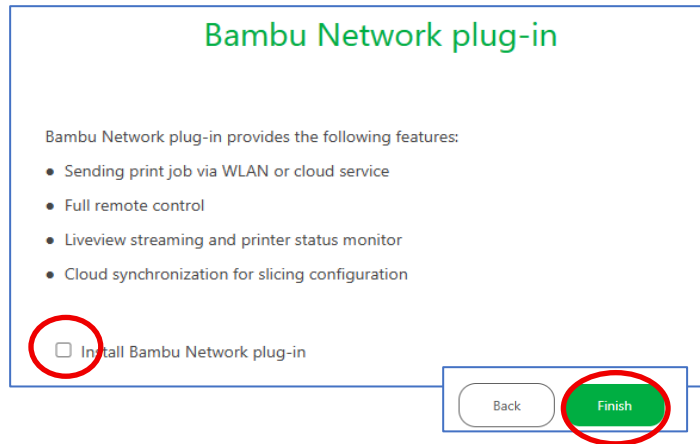
4. Choose 'Clear All', then select 'Bambu Lab A1 mini', then 'Next'



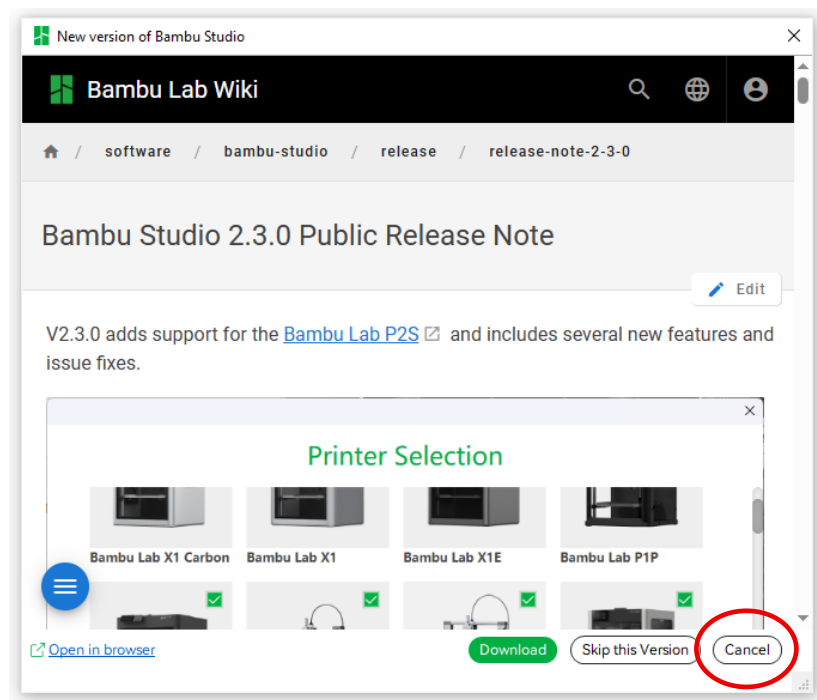
5. Choose 'Clear all', then select 'Generic PLA', then choose 'Next'



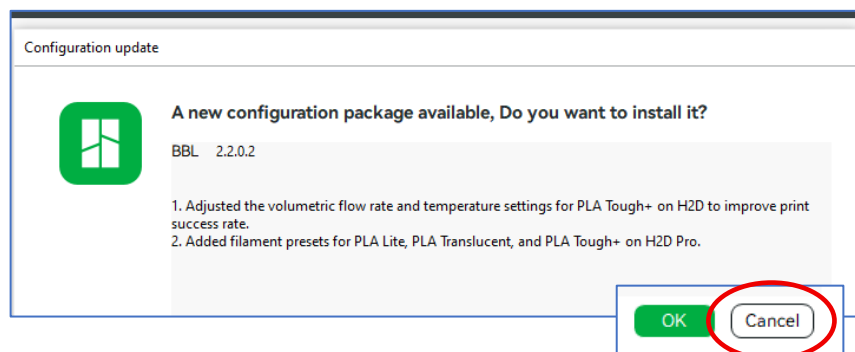
6. Uncheck 'Install Bambu Network Plug-in', then choose 'Finish'.



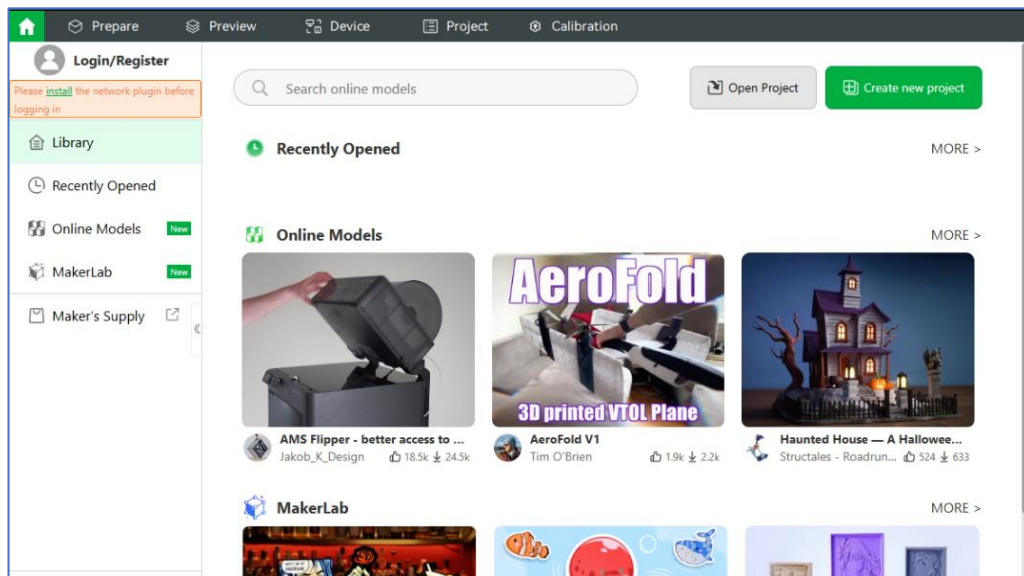
7. If asked if you would like to install a new version select 'Cancel'



8. Select 'Cancel'.



9. You should now see the main user interface as below



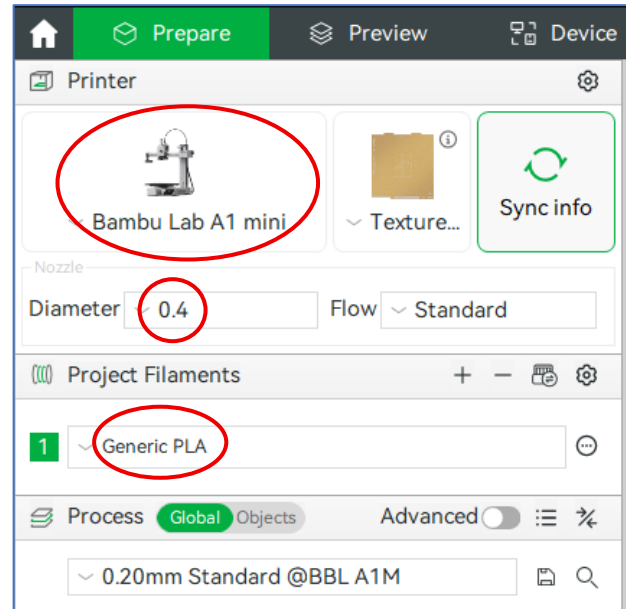
2 - LOADING MODEL & SETTINGS

1. The software is very powerful and customizable to help you to achieve the best 3D printing results. Thankfully, we don't need all of the special features to get up and running. Follow the steps below to slice your first model and make your first print.
2. Go to the class website to get the model file. Clicking on the link will download a 'PCB-Holder.zip' file. Remember 'zip' are compressed folders and you want what is inside. You will need to 'open' this file and 'copy' the file 'PCB-Holder.stl', then 'paste' this file into your Lantern Project folder (which should be in your 'Comox Valley OneDrive folder')

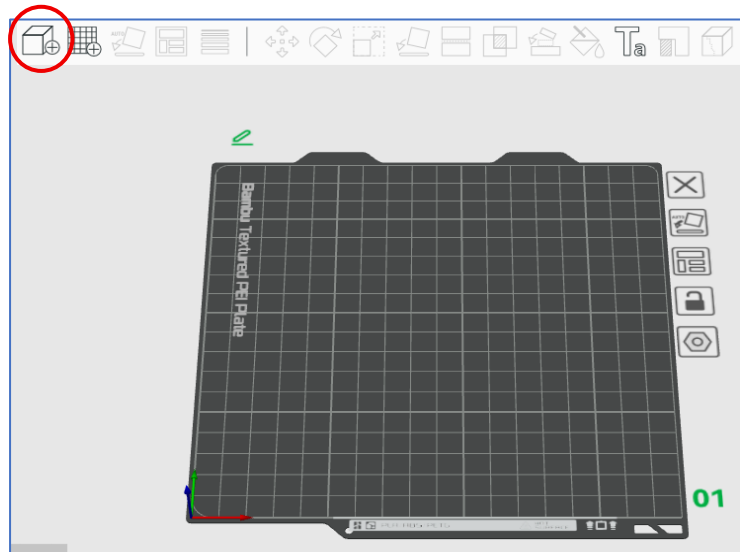
3. The software opens to its 'Home Screen' we can skip past this by selecting the 'Prepare' Tab

4. In the 'Prepare' tab check that the following settings are in place. If they aren't, make the necessary changes.

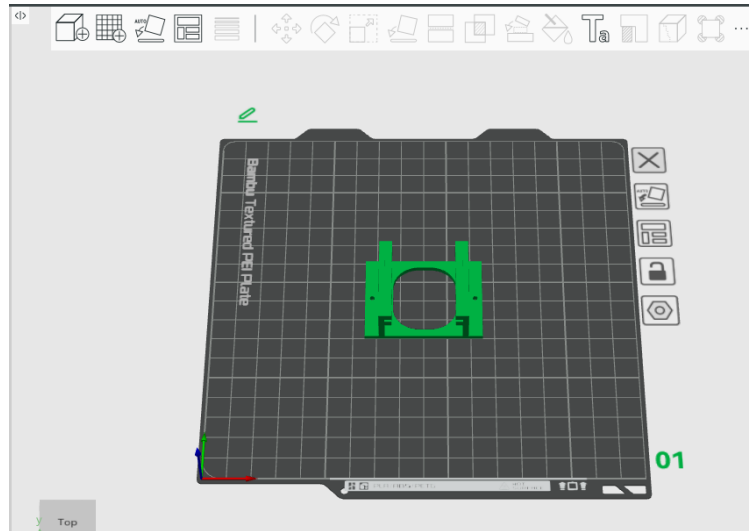
- ✓ Printer: Bambu Lab A1 mini
- ✓ Diameter (nozzle): 0.4
- ✓ Project Filament: Generic PLA



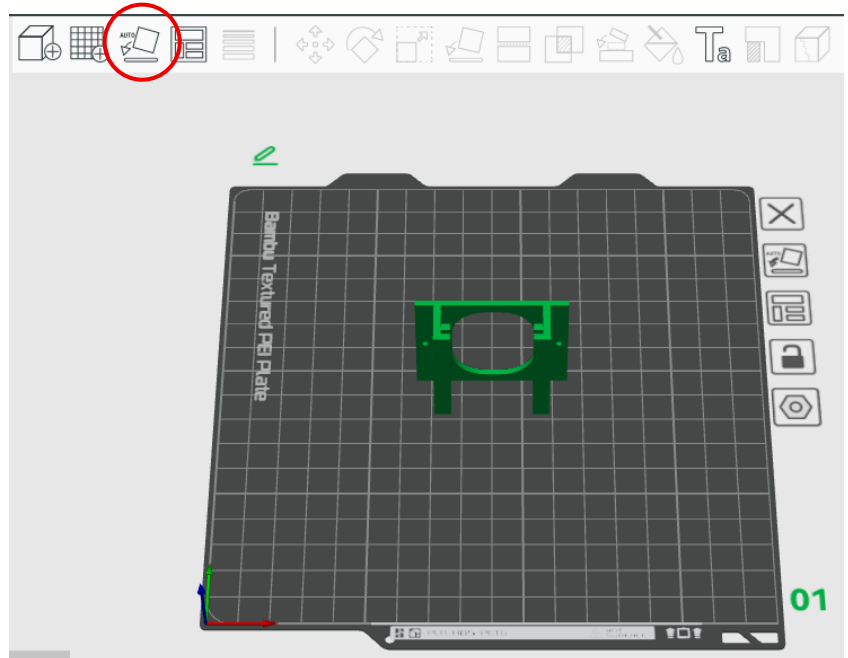
5. Remaining in the 'Prepare' tab select the 'add' tool from the toolbar



6. Navigate to the location of your downloaded model file and select 'Open'. Your model should now appear on the 'build plate'.



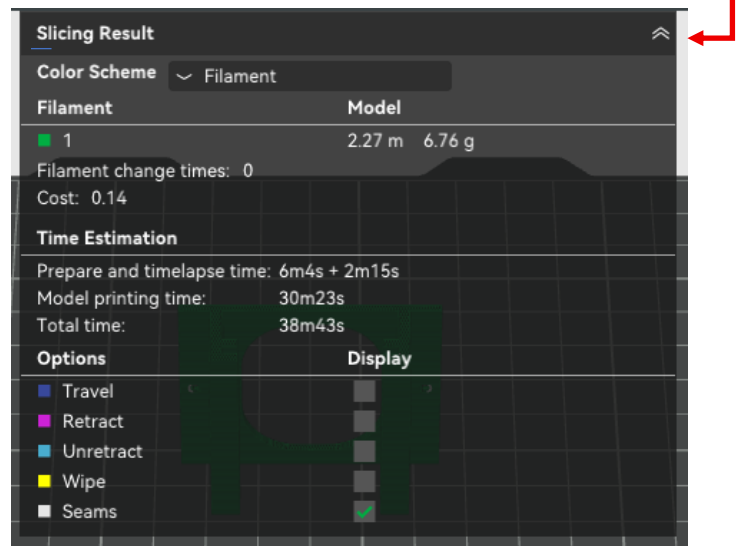
7. From the toolbar, select 'Auto Orient'. Your model should now be in the best position for printing.



8. Slice the model into printable layers by first choosing the drop down arrow, then selecting 'Slice Plate'.

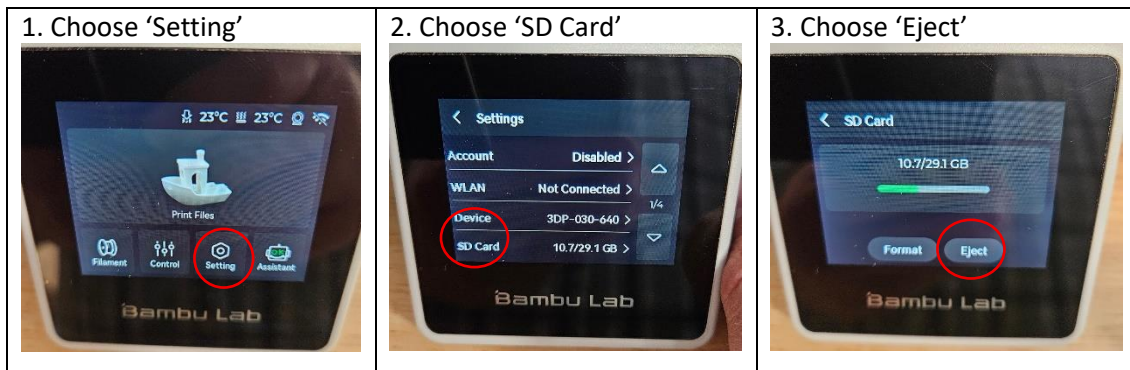


9. The slicing results will be displayed. These can be hidden by selecting the up arrow.



3 - PRINTING

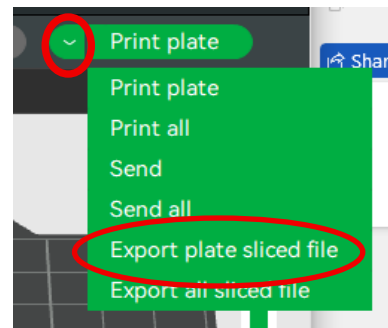
1. At the printer, use the microSD card 'Eject' feature, then remove a card.



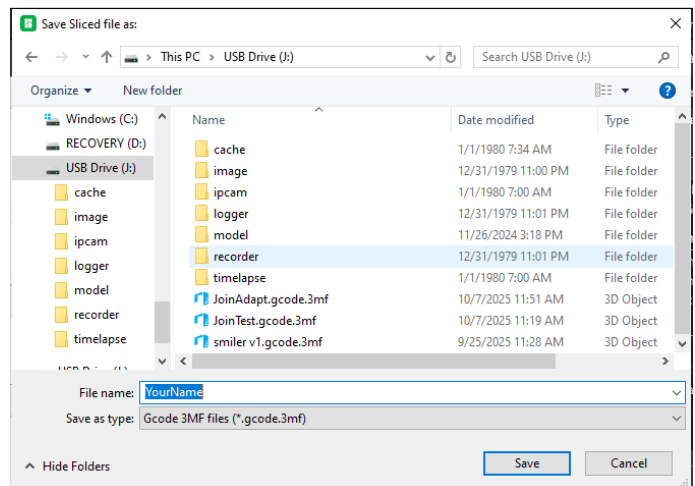
2. Obtain and insert the microSD card into a card adapter, then insert the adapter into your computer's USB port.



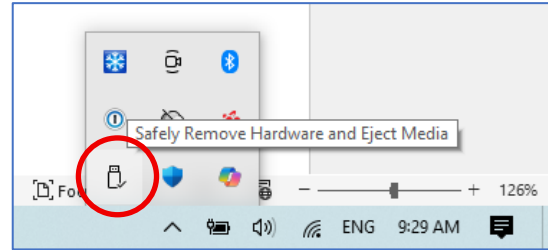
3. Select the 'Print plate' drop down arrow, then choose 'Export plate sliced file'



4. Use 'File Explore' Navigate to the microSD card location and save your file to it. Be sure to name your file using a name that you can easily identify when at the printer.



5. 'Eject' the microSD card adapter from your computer using the icon in the system tray.



6. At the printer, TAKING CARE, insert the microSD card into the printer the correct way.



7. Using the printers touch screen, select

