



# Getting Started with CANVAS

If this is the first time you're using CANVAS or just need a refresher, here's a tutorial on how to set up a printer and slice a project with CANVAS.

Written By: Mosaic Support

# CANVAS

## INTRODUCTION

[Canvas](#) is a cloud and web-based application designed for multi-material 3D printing.

Canvas allows you to color and slice single or multi-color models.

This guide provides an overview to get started, while providing an additional resource for each step.


## Step 1 — Add or Create Printer Profile



- Visit [Printers](#) and click on **New Printer**
- ⓘ Printer profiles can be 1) created as a new profile 2) imported from Simplify3D, Slic3r/Prusaslicer, or Kisslicer and 3) based off of a printer preset.
- Custom start and end sequences for bed leveling can be copied into the printer profile.
- Please see [here](#) for more information on how to create a new printer profile.
- After creating a new printer profile, there will be the option to create a setup for that profile. If this step is skipped, a new setup can still be manually created afterwards.

## Step 2 — Add or Create a Style Profile



-  Style profiles are slicer settings. Multiple profiles can be created for various printing results.
- Importing a printer profile from another slicer will create a new style profile based on existing settings.
  - Creating a new style profile will automatically populate the settings. It would be recommended to run a single-color test print with these settings and further tuning the profile afterwards (e.g. extrusion widths, layer heights, speeds)
  - [Printer tagging](#) allows for common settings to appear when hovering over tooltips for each project setting.
  - Please see [here](#) for more information on creating a style profile and [the settings glossary](#).

## Step 3 — Create a New Setup and Add Devices

The image displays two screenshots of the 'New Setup' configuration interface. The left screenshot shows the 'New Setup' form with fields for 'Setup Name' (Default Setup), 'Printer' (Artillery Sidewinder X1), and 'Devices' (Add Device button). The 'Printer' section is highlighted with a red box. The right screenshot shows the 'New Setup' form with the 'Printer' section filled out (Artillery Sidewinder X1) and the 'Devices' section showing an 'Add Device' button. A modal window for 'Palette 2S' is open, showing 'Connection Mode' options: 'Accessory (without Hub)' (selected), 'Connected (with Hub)', and 'Accessory (without Hub)'. The 'Add Device' button is highlighted with an orange box.

- Visit [Setups](#) and click on **New Setup**.
- ❗ Setups are a set of configurations you have available to print with. You can create multiple setups to represent your real life printing space.
- For single color printing, a setup includes the printer profile.
- For multi-material printing, a setup includes the printer profile, and a Palette model. Palette can be added in accessory mode (without Canvas Hub), or connected mode (with Canvas Hub)
- Please also see this [complete guide to setups](#) for printing in connected mode.

## Step 4 — Create a New Project and Upload Models



- Visit [Projects](#) and click **New Project**.
- ❖ A project is where models can be customized for printing.
  - Creating a new project will first prompt to upload models. If the model is one part, upload as a single-color print. If the model is multiple parts, upload it as a multi-material print.
  - Click on Project Settings to check that the right setup is selected for the project.
  - Please see [here](#) for more information on slicing from a project from beginning to end.

## Step 5 — Place and Color Models



- ❖ If the model has multiple parts, color the model by dragging and dropping colors from the toolbox onto the model or the file name in the Objects
  - *Note:* [Painting](#) is best used for models that are only one part.

## Step 6 — Slice and Print



- ❗ Slice your project. Preview layers and toolpaths by tool index, path type, layer height, print speed, fan speed and print temperature. For multi-material printing the preview will also display number of splices and pings.
- **Accessory mode:** Download the files, and extract the folder. Transfer the MAF file to the SD card for Palette, and transfer the G-Code to the storage device for the printer (e.g. USB key, microSD, SD, WiFi)
- **Connected Mode:** If Canvas Hub is set up and Canvas account is linked and connected, send the print directly. The file can also be downloaded and uploaded to Octoprint manually.

If you have any additional questions, please send us a message at [support@mosaicmfg.com](mailto:support@mosaicmfg.com).