

# Multi-Colour Printing Operation Guide

When using a 0.2mm nozzle for multi-colour printing, it's important to be aware that the filament switching process may take longer due to the limited maximum volumetric speed. Therefore, it may be necessary to wait for a period of time when changing filaments.

## Load filaments to AMS and configure filament information

Before starting multi-color printing, it is necessary to insert the (AMS) with the filament and set up the filament information. If you are using an official Bambulab filament, the AMS will automatically detect the filament type and color through RFID technology. However, if you are using a third-party filament, you will need to manually configure the relevant information. For details, please refer to AMS setup and loading filament.

## Slicing and sending print jobs in Bambu Studio

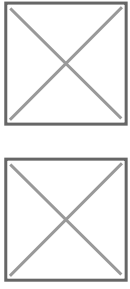
Once you have configured the information in the AMS, the next step is to set up and slice the multi-color model in Bambu Studio. For specific colouring and parameter Settings, please refer to Multi-Colour Printing.

**Note: the number in front of each color in Studio is simply the sequential number of the filament, not the AMS slot.**



When printing from Bambu Studio, it will automatically assign the closest color to each filament based on the filament type. However, you have the option to manually modify the color assignments if needed.

Before sending the print job, it's important to carefully review the pop-up window to ensure that the selected slots for each color match your expectations. If a slot displays a "?", it indicates that a third-party filament is being used and the filament information has not been configured. Nonetheless, you can still select that slot for printing, but please ensure that the filament in that slot matches the type selected during slicing.



## Start the print job from the SD card

If you are starting a print job using the SD card, there is no need to pre-select the AMS slot information during the slicing process in Bambu Studio. Instead, you can simply slice the model and import the sliced file directly to the SD card.

After selecting the printed file on the SD card, it will first automatically map the slot that matches the filaments of the same kind with the closest color, as shown in the figure below:



If you wish to modify the mapping of colors, you can manually select the corresponding slots for each color on the screen.



If the filament type used for slicing does not match the filament type recognized by the AMS, you will not be able to select that filament for printing. In the example figure below, you can see that PLA slice files can be selected for printing using AMS slots 1, 2, and 4, but ABS in slot 3 cannot be selected.



## Print built-in models

Printing the printer's built-in model indeed has some special considerations. Currently, it only supports printing from the first slot, and manual selection of slots is not possible. Instead, you need to place the filaments according to the sequence prompted on the screen. The specific instructions and prompts can be found on the preparation page.



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