



# Pattern Mode

Pattern mode will allow you to create a pattern using specific lengths of filament from each drive.

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# INTRODUCTION

In this guide you will learn how to:

- Access and create prints with Pattern Mode

***Tutorial video coming soon, check back again later!***

## Step 1 — Access Pattern Print Mode

### Pattern Print

Define a series of splice lengths and print repeatedly.

Press Next to define the pattern.



Cancel

Next



Before utilizing custom print modes, ensure that your filament has been splice tuned. The Splice Tuning feature will help you find the ideal settings so your Palette 3 can create optimal splices. A guide on how to do this can be found [here](#).

- Slice a single-body STL file in [Canvas](#) or a slicer of your choice that is compatible with Palette.
- From the main screen, tap *Print From > Custom Print > Pattern*

## Step 2 — Splice Tuning

### Splice Tuning

Heat ⓘ

– 2 +

Compress ⓘ

– +1.5 +

Cool ⓘ

– -5 +



Back

Next

- Choose the heat, compression and cool values for the material being used that were found during splice tuning.

## Step 3 — Define Pattern

### Define Pattern

1/2

Add new segment

Input 115 cm

<Back

Next>

### Edit Segment

1

2

3

4

5

6

7

8

Length of This Segment15 cm

Remove

Done

- Tap *Define Pattern* > *Add new segment*
- Choose the length of filament you would like to use for each drive. The length that you select will be repeated throughout the print.
  - ⓘ We suggest adding a bit more length (2-4 cms) to the segment than the model's displayed length in your slicer. This ensures that there is enough filament to complete the print. Websites like <http://gcode.ws> can be used to find the length of your model.
- Tap *Next*.

## Step 4 — Enter the Number of Repetitions



- Palette will display the number of repetitions in the print.
- Tap Next and follow the prompts to either *Start with a Printer* or *Start Without a Printer*.
  - ① If you choose to start without a printer, Palette is not connected to the printer via the outgoing tube, so it will continuously create filament.
- Follow the prompts and begin your print!

## Step 5 — Start the Print



- Once Palette is finished making the initial splices with enough filament to come out of the outgoing tube, insert this filament into the printer's extruder.
- Jog the filament until you see filament come out of the nozzle, and then start the G-Code file on the printer.

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

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