

## Compact Mixbox Style Controller



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### Summary

I wanted a Mix-box style controller so I modeled one in fusion 360, hope you enjoy!

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[raspberrypico](#) [hitbox](#) [slimbox](#) [mixbox](#) [arcadecontroller](#)

This is a Mix-box style controller I designed in fusion 360, the outer "shell.stl" and "key frame.stl" are purely for aesthetics and do not need to be printed although you would need to accommodate with a shorter screw for the shell. This design uses a Raspberry Pi Pico as well as [GP2040 Firmware](#). The mechanical switch mounts as well as key-caps are not my design and are linked and credited below. Thank you for checking it out, this was a blast to make!

#### Parts list:

- 1 x [Raspberry Pi Pico](#)
- 1 x [USB-C Breakout Board](#)
- 4 x [Threaded Inserts](#)
- 4 x [M5 Screws](#)
- 12 x [Gateron Mechanical Switches](#)
- 5 x [Momentary Tactile Push Button](#)

## 3D Printed Key-caps and Housing:

All credits to [Rana Labs](#)

8 x [Housing](#) (bottom and top)

8 x [Circular Key-caps](#)

## Model files



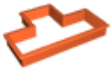
**top-body.stl**

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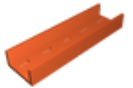
**cover.stl**

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**key-frame.stl**

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**tac-switch-mount.stl**

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**button.stl**

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**shell.stl**

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**spacer.stl**

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