



USB Footswitch QT Py RP2040

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Summary

Build a DIY footswitch USB controller using CircuitPython and QT Py RP2040

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[circuitpython](#)

Build a DIY footswitch USB controller using CircuitPython and QT Py RP2040. This uses a micro switch, micro-controller and 3D printed snap fit parts. This footswitch can be programmed with CircuitPython to make custom keyboard shortcuts, macros and even media controls.

QT Py RP2040

<https://www.adafruit.com/product/4900>

Micro Switch

<https://www.adafruit.com/product/818>

Code on GitHub

https://github.com/adafruit/Adafruit_Learning_System_Guides/blob/main/Single_Button_Footswitch/code.py

Model files



sfs-qtpy-plate.stl



sfs-switch-plate.stl

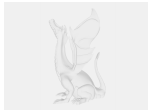


sfs-top.stl

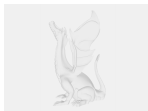
☐ Needs to be laid flat on bed and use support material



sfs-bot.stl



qt-py-foot-switch-single-v17.f3d



qt-py-foot-switch-single-v17.step

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