



Dactyl ManuBall



DrGarbinsky

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updated 13. 3. 2023 | published 13. 3. 2023

Summary

This is the second generation of the Dactyl ManuBall.

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Tags: [keyboard](#) [ergonomic](#) [trackball](#) [dactylmanuform](#)
[mechanicalkeyboards](#) [ergonomickeyboard](#) [trackballs](#)

Update 6/3/23

Github is up to date with a pretty solid set of features. Config needs to be centralized and documented.

Update 12/16/2022

Models are complete. The current cases are designed around a teensy 4.0 but qmk support for those MCUs is lacking so a version for a more common MCU might be necessary.

This is the second generation of the Dactyl ManuBall. It builds on v1 with upgraded track balls using optical tracking. This is still a work in progress. As the project nears completion I'll get a github put together

Source Code: [drGarbinsky/dactylmanu-ball \(github.com\)](https://github.com/drGarbinsky/dactylmanu-ball)

The original dactyl: <https://github.com/adereth/dactyl-keyboard>

you'll need

7 of these: [M3-0.5 Threaded Heat Set Inserts for 3D Printing](#)
2 of these: [34mm Replacement Ball \(preferably black\)](#)
1 of these: [3.5mm TRRS to TRRS Spring Coiled Cable for Split Mechanical Keyboard](#)
2 of these: [3.5mm Mini Stereo Female Jack Socket Plug](#)
2 [Teensy 4.0 MCU](#)
76 MX style switches
2 [PMW3389 Motion Sensor](#)
76 diodes

This remix is based on

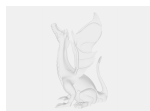


GitHub - adereth/dactyl-keyboard: Parameterized ergonomic keyboard

Model files



case-right.3mf



manu-ball-cup.f3d



base-right.3mf



case-left.3mf



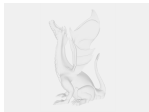
base-left.3mf



ball-retainer.3mf



manuform-plate.scad



manuform-case-right.scad

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