Swipe, tap or flick your wrist to control your Raspberry Pi with the Flick HAT. Flick Zero is a 3D tracking and gesture HAT that lets you control the [Raspberry Pi](#) computer as if by magic! Flick uses technology that enables the PCB to detect your gestures from up to 15cm away in 3D space. Draw a circle with your hand - Flick will track it.

Integrate Flick into your Raspberry Pi project to give you multiple ways of controlling it. Using the near field gesture technology, you're able to hide your project behind non-conductive material (wood/acrylic) and still use Flick (please note however that mounting it in this way may reduce the sensor range).

Plug and play functionality allows you to get up and running within minutes. Use our software libraries (complete with one line installer) to fully explore what you can do with Flick. Control your computer, TV, music system and more all with a Flick of the wrist!

Features

- Compatible with Raspberry Pi [A+](#), [B+](#), [2B](#) and [3B](#)
- Also works with [Raspberry Pi Zero](#), [Zero Wireless](#) and all other Raspberry Pis with 40 GPIO pins (or compatible boards).
- 3D tracking
- Gesture sensing up to 15cm
- Touch and Tap sensing
- Communicates with the Raspberry Pi via I2C
- Full software libraries (fully open-source code)
- No soldering required
- Dimensions: 6.5cm x 5.6cm x 0.6cm
- Full software libraries (fully open-source code)
- One line installer
- Fully CE and FCC tested and approved

Kit Contents

- 1 Flick HAT
- 8 Plastic bolts
- 4 Plastic spacers
- 3 Stickers
- 2 Info card

Software

- Software for the Flick boards is available here on [GitHub](#)

Setup Guide

- Follow this guide to set up your [Flick HAT board and case](#)

Explore the entire Flick range

Why not add Flick to other I2C devices or your Raspberry Pi Zero with Flick Large and Flick Zero.

- [Flick Large](#)
- [Flick Zero](#)