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Explorer HAT Pro

Explorer HAT Pro adds a lot of useful tools to your Raspberry Pi. [Read more...](#)

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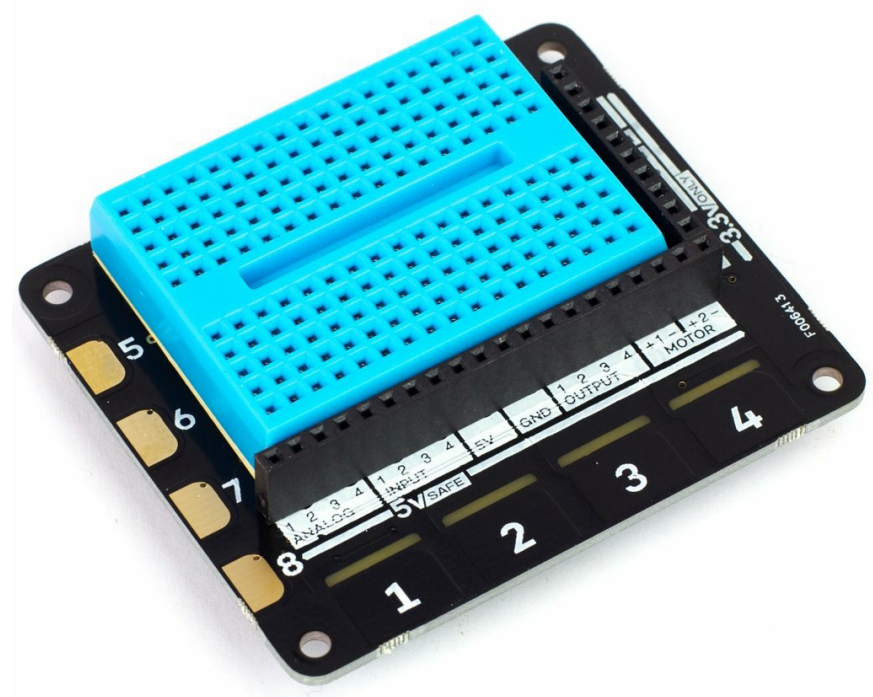
Explorer HAT Pro

- Essential extras
- Explorer HAT Pro Parts Kit
 - Resistor Lead Bending Tool

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Explorer HAT Pro

Explorer HAT Pro adds a lot of useful tools to your Raspberry Pi.

It has digital inputs and outputs, capacitive touch pads, croc. clip compatible pads, coloured LEDs, analog inputs, motor drivers, and a mini breadboard for prototyping your projects

Great for little robots, games, science experiments, exploring small electronic circuits, and interacting with you Pi.

We've put together a handy little [Explorer HAT Pro parts kit](#) with everything you need to get started building circuits including LEDs, dials, a buzzer, and even a temperature sensor! Explorer HAT Pro also goes great with our no-soldering-required [micro metal gearmotors](#) and our [STS-Pi robot kit](#).

Features

- Four buffered 5V tolerant inputs (perfect for Arduino compatibility)
- Four powered 5V outputs (up to 500mA total across all four channels)
- Four capacitive touch pads (labelled 1, 2, 3, 4)
- Four capacitive crocodile clip pads (labelled 5, 6, 7, 8)
- Four coloured LEDs (red, green, blue, and yellow)
- Four analog inputs
- Two H-bridge motor drivers (up to 200mA per channel; soft PWM control)
- A heap of useful (unprotected) 3v3 goodies from the GPIO
- A mini breadboard on top!
- [Explorer HAT Pro pinout](#)
- Compatible with Raspberry Pi 3B+, 3, 2, B+, A+, Zero, and Zero W
- [Python library](#)
- Comes fully assembled

Software

We've made it super-quick to get to grips with Explorer HAT Pro with our [Python library](#), including a bunch of examples to show off all of Explorer HAT Pro's functions.

Our software does not support Raspbian Wheezy.

Notes

- The inputs use a 5-channel buffer that will accept anything from 2V-5V as logic high
- Mini breadboard had 170 points, 17x5 per half of the breadboard

Reviews



11 Reviews

[WRITE A REVIEW](#)

N K ★★★★★

Package arrived on time and intact as ordered. It was easy to set up and easy to program. I can't wait to see what I can do with this.

51 days ago

Steve Hillman ★★★★★

Great value piece of kit, up and running in no time, I now have a small robot buggy running round the house annoying the cats :-). Easy to set up and easy to program. f you are only going to get one Hat, this is the one you need.

9 months ago

Robert Wood ★★★★★

I bought this to use as a prototyping tool and in this it has excelled. Highly recommended for anyone looking to get into using a Raspberry Pi as a motor controller as the Python code is easy to understand and the board itself allows for expansion beyond just controlling motors.

9 months ago

Julian Day ★★★★★

A minor niggle, some PCB standoffs or spacers to securely mount this to the Pi are pretty much essential and should really be included. For the sake of an I2C I/O expander or I2C motor driver, this could have been really

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