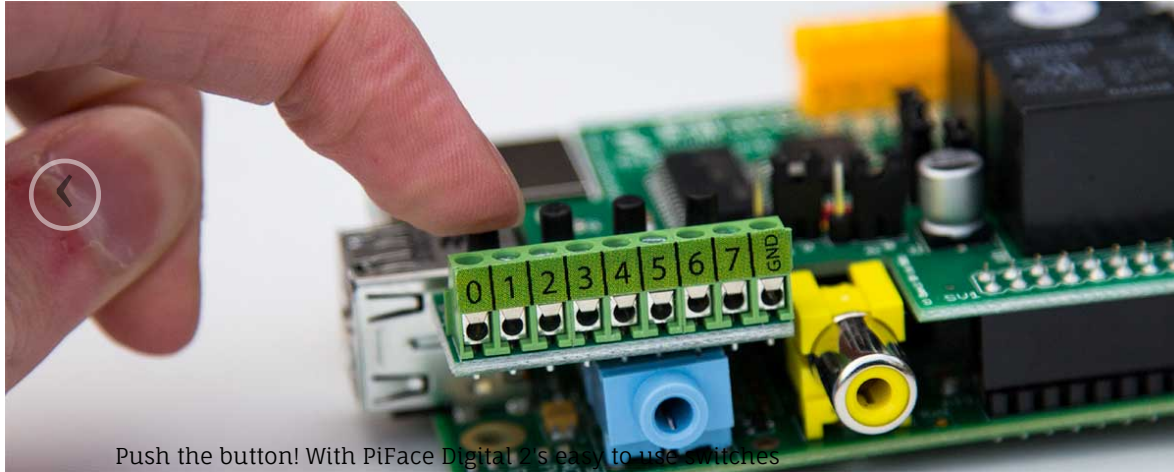
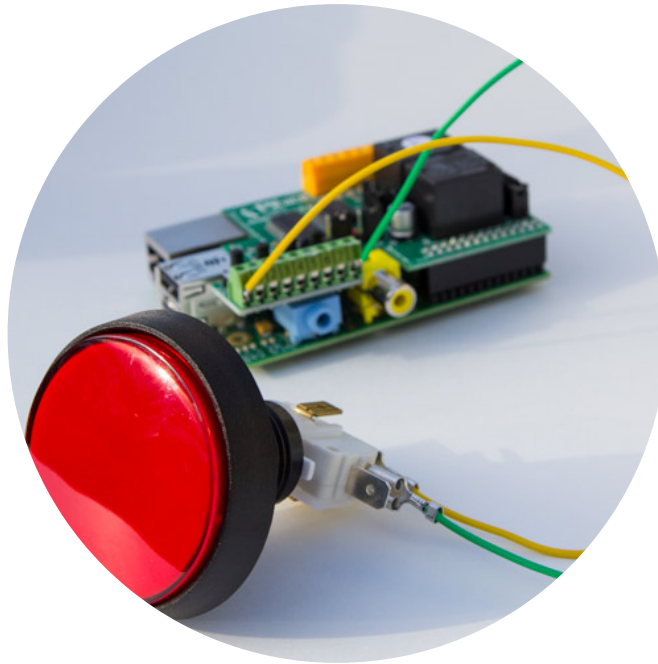


PiFace Digital 2 Connect your world!



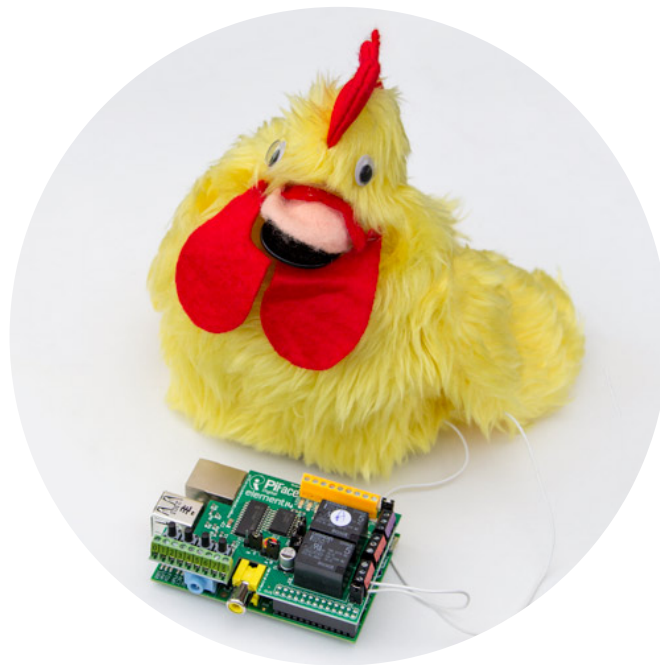
Sense



Sense when switches close, doors open, buttons are pushed, pressure pads are stepped on, circuits are completed.

8 Digital inputs on PiFace Digital 2 gives your Raspberry Pi the ability to know what is going on in the world.

Effect

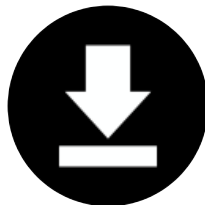


Flash lights, turn things on, spin motors, wink LEDs, sound horns.

8 Digital outputs on PiFace Digital 2 allows your Raspberry Pi to make things happen in the world.

Easy to connect

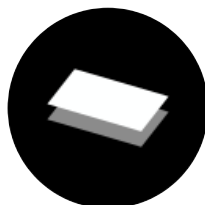
PiFace Digital 2 is designed to plug on to the GPIO of your Raspberry Pi B+, allowing you to sense and control the real world. With PiFace Digital 2 you can detect the state of a switch, for example from a door sensor, a pressure pad or any number of other switch types. Once this state has been detected, you can write your own software for Raspberry Pi that determines how to respond to that switch state. You can drive outputs to power motors, actuators, LEDs or anything you can imagine.



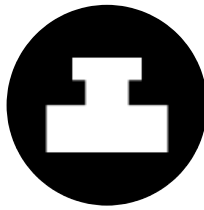
Easy to install software



Screw terminals mean no soldering!



Compact



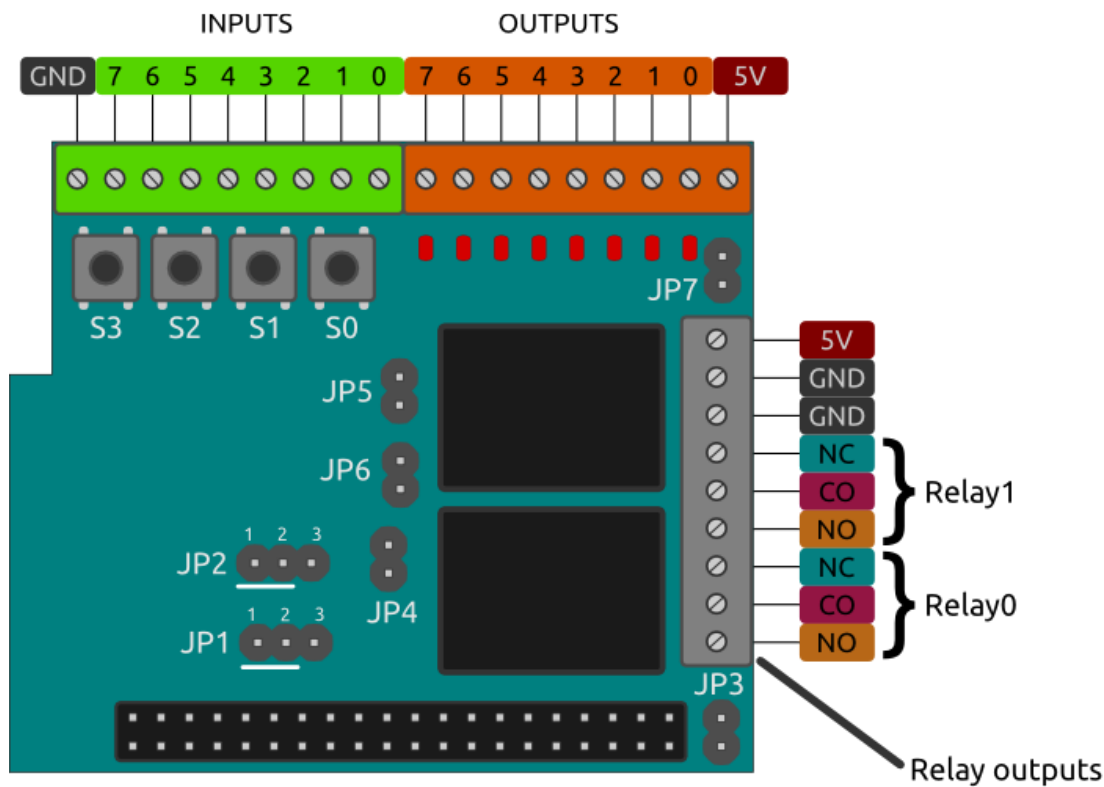
Ready to go buttons



See status with onboard LEDs



Protect your Pi



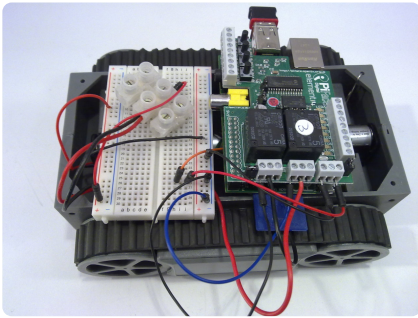
- JP1** Address bit 0
- JP2** Address bit 1
- JP3** Connects PiFace™ Digital 5V to Raspberry Pi 5V
- JP4** Connects snubber diodes to 5V
- JP5** Relay1 enabled when bridged
- JP6** Relay0 enabled when bridged
- JP7** Connects 5V power to LEDs & relay coils

Tech Specs

- 2 Changeover Relays*
- 4 Tactile Switches
- 8 Digital Inputs
- 8 Open-Collector Outputs
- 8 LED Indicators
- Graphical Emulator
- Easy to program in Python 3 and 2, Scratch and C
- Support for interrupts
- Compatible with Raspberry Pi models A+, B+ and Raspberry Pi 2

*Relays can be used to switch voltages up to 20V (Max) or currents up to 5A (Max)

What will *you* make? Here's what others have created.



(<http://raspberrypiwebserver.com/gpio/piface/building-a-remote-control-vehicle-using-a->

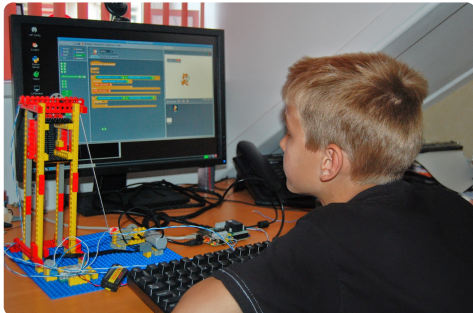
[raspberrypi.html](http://raspberrypiwebserver.com/gpio/piface/building-a-remote-control-vehicle-using-a-raspberry-pi.html))

Robot buggy controlled by PiFace



(<http://familab.org/blog/2013/11/raspberry-pi-exhibit-at-minecon2013/>)

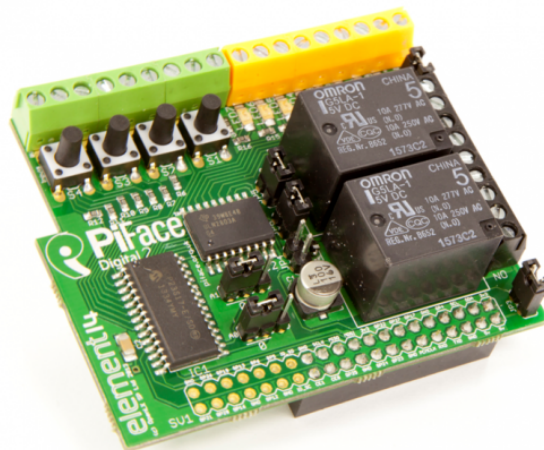
PiFace Digital controlling Minecraft



([http://raspuino.blogspot.co.uk/2013/06/the-lego-technic-elevator-controlled-](http://raspuino.blogspot.co.uk/2013/06/the-lego-technic-elevator-controlled-by.html)

[by.html](http://raspuino.blogspot.co.uk/2013/06/the-lego-technic-elevator-controlled-by.html))

Lego controlled by PiFace Digital



Links

- Documentation (<http://piface.github.io/pifacedigitalio/>)
 - PiFace Digital 2 on GitHub (<https://github.com/piface/pifacedigitalio>)
 - PiFace Digital 2 Emulator on GitHub (<https://github.com/piface/pifacedigital-emulator>)
 - PiFace Digital 2 Scratch Handler on GitHub (<https://github.com/piface/pifacedigital-scratch-handler>)
 - Element14 (<http://www.element14.com/community/docs/DOC-52857/l/piface-digital-for-raspberry-pi>)
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