

Simple web control with PiFace Digital

Getting started with simple web control for PiFace Digital

To control your PiFace Digital from a browser, first login into your Raspberry Pi with your PiFace Digital connected, then open a Terminal and enter the command:

```
python3 /usr/share/doc/python3-pifacedigitalio/examples/simplewebcontrol.py
```

This will start a simple web server for you to access.

Viewing the PiFace Digital's state

Open a browser on your Pi, or another computer on your network, and enter the following address into the address bar:

```
http://192.168.1.3:8000
```

Note: Replace `192.168.1.3` with your Pi's ip address. Hint, it will have been printed out when you started the web server.

The browser will return the state of PiFace Digital's buttons and LEDs. Have a go at holding some of the buttons down while refreshing the address in the browser, the number returned for the *input* will change.

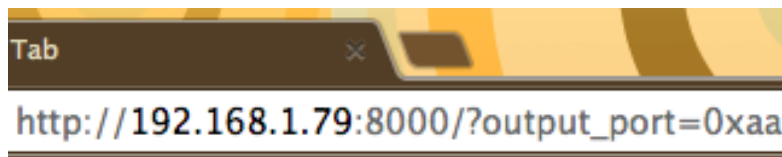
Writing to PiFace Digital

You can set the output port of PiFace Digital (the LEDs) by adding the following line to the end of the address:

```
/?output_port=0xaa
```

So the full command will be:

```
http://192.168.1.3:8000/?output_port=0xaa
```



Web command in browser for alternated LEDs

`0xaa` is a representation of the output port values in hexadecimal. The PiFace Digital sees this in the binary form `10101010` with a `1` representing an LED on, and a `0` representing an LED off. `0xff` would have all the LEDs turned on, and `0x00` would have them all off.

Changing ports with simple web control

If you want to use a different port (instead of the `8000` default) for controlling your PiFace device through a browser, then you can do this by passing the web server the number of the port you wish to use when you run it, e.g:

```
$ python3 /usr/share/doc/python3-pifacedigitalio/examples/simplewebcontrol.py 12345
```

Or

`simplewebcontrolcad.py 12345`

Note: Replace `12345` with the port number you wish to use.