Wiring Pi

GPIO Interface library for the Raspberry Pi

Download and Install

WiringPi is maintained under GIT for ease of change tracking, however there is a *Plan B* if you're unable to use GIT for whatever reasons (usually your firewall will be blocking you, so do check that first!)

Note: wiringPi is **NOT** hosted on Github. There are many forks that you may find there, but they are not the original version maintained by myself.

To view the wiringPi sources, then go to:

https://git.drogon.net/

and select the wiringPi link.

To install…

First check that wiringPi is not already installed. In a terminal, run:

```
$ gpio -v
```

If you get something, then you have it already installed. The next step is to work out if it's installed via a standard package or from source. If you installed it from source, then you know what you're doing – carry on – but if it's installed as a package, you will need to remove the package first. To do this:

```
$ sudo apt-get purge wiringpi
$ hash -r
```

Then carry on.

If you do not have GIT installed, then under any of the Debian releases (e.g. Raspbian), you can install it with:

```
$ sudo apt-get install git-core
```

If you get any errors here, make sure your Pi is up to date with the latest versions of Raspbian: (this is a good idea to do regularly, anyway)

```
$ sudo apt-get update
$ sudo apt-get upgrade
```

To obtain WiringPi using GIT:

```
$ cd
$ git clone git://git.drogon.net/wiringPi
```

If you have already used the clone operation for the first time, then

```
$ cd ~/wiringPi
$ git pull origin
```

Will fetch an updated version then you can re-run the build script below.

To build/install there is a new simplified script:

```
$ cd ~/wiringPi
$ ./build
```

The new build script will compile and install it all for you – it does use the sudo command at one point, so you may wish to inspect the script before running it.

Plan B

Click on this URL: (it should open in a new page)

> https://git.drogon.net/?p=wiringPi;a=summary

Then look for the link marked **snapshot** at the right-hand side. You want to click on the top one.

This will download a tar.gz file with a name *like* wiringPi-98bcb20.tar.gz. Note that the numbers and letters after **wiringPi** (98bcb20 in this case) will probably be different – they're a unique identifier for each release.

You then need to do this to install:

```
$ cd
$ tar xfz wiringPi-98bcb20.tar.gz
$ cd wiringPi-98bcb20
$ ./build
```

Note that the actual filename will be different – you will have to check the name and adjust accordingly.

Test wiringPi's installation

run the gpio command to check the installation:

```
$ gpio -v
$ gpio readall
```

That should give you some confidence that it's working OK.

WiringPi is released under the GNU Lesser Public License version 3.