

## Compare C Libraries

Library	Install process	Root?	SPI, I2C	Web reference	Notes
BCM 2835	Make install	Not root – /dev/ gpiomem Root – /dev/mem	Yes	<a href="http://www.airspayce.com/mikem/bcm2835/">http://www.airspayce.com/mikem/bcm2835/</a>	
WiringPi	Already installed on RPi	/dev/gpiomem	Yes	<a href="http://wiringpi.com/">http://wiringpi.com/</a>	Deprecated <a href="http://wiringpi.com/wiringpi-deprecated/">http://wiringpi.com/wiringpi-deprecated/</a>
sysfs	None – part of Linux	Required			Deprecated? Instead.../dev/ gpiochip
/dev/gpiochip					Lacks support
PiGPIO	Make install	Library requires root; application does not require root	Yes	<a href="http://abyz.me.uk/rpi/pigpio/index.html">http://abyz.me.uk/rpi/pigpio/index.html</a>	

### Install the BCM2835 Library

Instructions at <https://www.airspayce.com/mikem/bcm2835/>

download the latest version of the library, say bcm2835-1.xx.tar.gz. You'll find it at <http://www.airspayce.com/mikem/bcm2835/> ...

then:

```
# replace xx with the version number
tar zxvf bcm2835-1.xx.tar.gz
cd bcm2835-1.xx
./configure
make
sudo make check
sudo make install
```