

Software Dependencies

PiPlanter uses many different software packages to function. Run all of the following commands to ensure all of the software installs properly.

```
$ apt-get install python-imaging python-imaging-tk python-pip mencoder python-dev  
git apache2 mysql-server php5 php5-mysql python-mysqldb python-serial php5-gd
```

```
$ pip install tweepy apscheduler spidev wiringpi pillow
```

```
$ wget https://gdata-python-client.googlecode.com/files/gdata-2.0.18.tar.gz  
$ tar -xzvf gdata-2.0.18.tar.gz  
$ cd gdata-2.0.18/  
$ sudo python setup.py install
```

```
$ wget https://youtube-upload.googlecode.com/files/youtube-upload-0.7.2.tgz  
$ tar -xzvf youtube-upload-0.7.2.tgz  
$ cd youtube-upload-0.7.2/  
$ sudo python setup.py install
```

```
$ mkdir /srv/www/lib/  
$ cd /srv/www/lib/  
$ wget http://www.pchart.net/release/pChart2.1.3.tar.gz  
$ tar -xzvf pChart2.1.3.tar.gz  
$ mv pChart2.1.3 pChart
```

You'll need to enable SPI on your Pi in order to use the MCP3008 ADC. Do this by running the following commands:

Edit your config file

```
$ sudo nano /etc/modprobe.d/raspi-blacklist.conf
```

Comment out the spi-bcm2708 line so it looks like this:

```
#blacklist spi-bcm2708
```

Then run this to make it more permanent.

```
$ sudo modprobe spi-bcm2708
```

And finally reboot your Pi with:

```
$ sudo reboot
```