

## Setting up Artisan on the Raspberry Pi 2

**Note:** The underlined portions of this guide are hyperlinks that will take you to a webpage or download a file. Additionally, this procedure has only been tested on a fresh install on the Raspberry Pi 2. I'm not sure that any of the previous Pi models are fast enough to run the software. In the event that you have an additional error that is caused by a module not listed here, please reply to the thread [here](#) and we can try to fix the problem.

The first three steps can be done without using the command line (Terminal app).

1. To set up Artisan on the Raspberry Pi, download the Artisan [source code](#) from GitHub on the Raspberry Pi.
2. Extract the zip folder (or tarball if you go that route)
3. Copy extracted folder “./artisan-0.9.8/” onto the desktop
4. Open Terminal
5. Enter the following commands (without the quotations):
  1. “cd ~/Desktop/artisan-0.9.8/”
  2. “chmod +x artisan.py”
  3. “./artisan.py”

At this point, you should receive an error. Depending on how many python modules you have installed on your Pi, it could be one of the following:

- SIP
- matplotlib
- qrcode
- Phidgets.Devices.TemperatureSensor
- Yoctopuce
- pymodbus
- bottle
- gevent
- geventwebsocket

When I did this process, I completed it on a fresh install of the Jessie OS, so you shouldn't have any more errors than those caused by the missing modules above.

The next step is to install each of the missing modules. After you install a Python module, run the command “./artisan.py” to try running the software and see what the next missing module is. After all of the necessary modules are installed, Artisan will open successfully on the Pi.

## Missing Modules

SIP – “sudo apt-get install python-qt4”

matplotlib – “sudo apt-get install python-matplotlib”

qrcode – “sudo pip install qrcode”

Phidgets.Devices.TemperatureSensor – Download <http://www.phidgets.com/downloads/libraries/PhidgetsPython.zip>, then unzip it, change to its directory, and run “sudo python setup.py install”

Yoctopuce – “sudo pip install yoctopuce”

pymodbus – “sudo pip install pymodbus”

bottle – “sudo pip install bottle”

gevent – “sudo apt-get install python-dev”, then download <https://pypi.python.org/packages/source/g/gevent/gevent-1.0.2.tar.gz#md5=117f135d57ca7416203fba3720bf71c1>, open the tarball with tar -xzf “file\_name”, change to its directory, run “sudo python setup.py install”

geventwebsocket – “sudo pip install gevent-websocket”