

RASPBERRY PI GETTING STARTED

When you first boot your pi it comes up with the configuration script.

Select : enable ssh and the option to expand the file system to fill the whole sd card.

Default login details are as follows

user name : **pi**

password : **raspberry**

note: when you enter the password you **WILL NOT** see anything while typing the password this is normal. You just need to type carefully.

to install software: `sudo apt-get install <package name>`

e.g : **sudo apt-get install** geany

sudo allows you to run the command as super (root) user so you can carry out admin tasks, if it asks for a password then you enter the password you entered when logging in (raspberry).

useful things to install here are geany, as you can use this to edit source code. It is a text editor designed for programming, which you can also use to run code.

to get help with Linux commands

man <command>

when you login you will see

[pi@raspberrypi](#) where:

pi is the user name

raspberrypi is the hostname (name of the computer) the hostname is stored in /etc/hostname

you can edit this by simply editing this file `sudo nano* /etc/hostname`
* or the name of some other text editor.

ifconfig gives you network interface information : using `ifconfig eth0` just gives info for eth0

```
eth0  Link encap:Ethernet  HWaddr f8:0f:41:21:84:bc
      inet addr:192.168.1.11  Bcast:192.168.1.255  Mask:255.255.255.0
      inet6 addr: fe80::fa0f:41ff:fe21:84bc/64 Scope:Link
      UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
      RX packets:3483 errors:0 dropped:0 overruns:0 frame:0
      TX packets:3864 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:1000
      RX bytes:1929942 (1.9 MB)  TX bytes:462390 (462.3 KB)
```

the important information here is

inet addr: this is the ip or network address of your pi. If you don't have one, or it says 127.0.0.1 then there may be an issue somewhere.

ssh allows you to remotely connect to another computer for example

ssh [pi@host](#) where host is either the ip computer. You can use hostname but this requires other items to be set up first.

To start the graphical system type **startx**