

Raspberry Pi setup for the Raspberry Pi Camp

Equipment you should have:

- Raspberry Pi
- Case (optional but recommended)
- power supply
- monitor and HDMI cable
- keyboard and USB connector
- mouse and connector
- SD card, with Raspian image

Once the board is in its case and all the peripherals are plugged in, turn on the monitor. You should see the initial installation screen.

Installation:

- 1) Select only the first installation option, for 'Install Raspian' - do not select any other options
- 2) Click the Install icon
- 3) If you get a popup asking if you want to overwrite the existing operating system, select YES
- 4) Move on to the next Raspberry Pi - this initial installation step will take a few minutes
- 5) When the installation step finishes and the configuration screen comes up:
 - a) Option 3 ('Enable Boot to Desktop/Scratch') and configure to boot to **desktop**
 - b) Option 4 ('Internationalisation Options'):
 - change the locale to use en_US UTF-8
 - change the keyboard to use en_US UTF-8 (enter past all the other keyboard options - the rest of the keyboard defaults are fine)
- 6) Tab over to 'Finish' and reboot
- 7) Once the reboot is complete, make sure there are icons on the desktop for Idle (Python 2) and Pygames

If you make a mistake and need to modify the configuration in some way, run this from the command line:

```
sudo raspi-config
```

WiFi-Configuration:

Go to desktop -> Menu -> WiFi configuration

Network -> SCAN -> raspberrypi,

For the setup: WPA-Personal, ENCRYPTION: TKIP, Shared key: DF13ABTK, -> Click

“enabled”.

Additional docs: <https://www.raspberrypi.org/documentation/setup/>