

Installing Raspbian from Ubuntu OS

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Downloading Raspbian

The first step is downloading raspbian from the raspberry website available on the link below:

<https://www.raspberrypi.org/downloads/raspbian/>

Once downloaded you can check the SHA number of the file in order to check if it is corrupt. In a terminal opened in the folder containing the zip file, type:

```
sha1sum imageFileName.zip
```

Then compare the written SHA code with the one on the raspberry website below the link were you downloaded the zip file.

Installing Raspbian on SD card

The second step is installing the raspbian OS on the SD card (FAT32 format) for the Raspberry Pi board.

To do so follow the following steps:

- 1) Check the name of your SD card. This can be done by opening the ***Disks*** application of ubuntu under the label "Device". It should be something like `"/dev/theNameOfYourSD"`
- 2) Then unzip the image from the zip file downloaded on in the previous step (Downloading Raspbian). The unzipped file should be an image (a file with the .img extension)
- 3) Unmount your SD card.
- 4) Download the etcher application in order to correctly burn the raspbian image to the sd card. The applicaton is available on:
<https://etcher.io/>
- 5) Follow the simple steps described in the etcher application in order to burn raspbian image to the SD card.
- 6) Insert the SD card in the raspberry board and you are good to go !!! =)