

R-Pi

Team Emertxe



Setup + Installation

Method-1: NOOBS

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Method-1: NOOBS



- **NOOBS**:
 - **N**ew **O**ut **O**f the **B**ox **S**oftware
 - Is an easy operating system installer which contains **Raspbian** and **LibreELEC**
 - It also provides a selection of alternative operating systems which are then downloaded from the internet and installed
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- **NOOBS Lite**:
 - contains the same operating system installer without Raspbian pre-loaded
 - It provides the same operating system selection menu allowing Raspbian and other images to be downloaded and installed

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

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Method-1: NOOBS

STEPS:

- 1.Download the noobs
- 2.Extract the files
- 3.Partition the SD card using `gparted` in `fat32`
- 4.Copy the content into the SD card
- 5.Insert the card into the slot of R-Pi
- 6.Connect the power supply
- 7.Select the OS to install
- 8.Press OK finally, it automatically boots

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

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Method-2: Manual

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Method-2: Manual Installation



- Step-1 Download the image
- <https://www.raspberrypi.org/downloads/raspbian/>

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Method-2: Manual Installation



- **Step-2** Writing an image to the SD card using **Etcher**
- Download Etcher and install it.
- Connect an SD card reader with the SD card inside.
- Open Etcher and select from your hard drive the Raspberry Pi .img or .zip file you wish to write to the SD card.
- Select the SD card you wish to write your image to.
- Review your selections and click 'Flash!' to begin writing data to the SD card.

Note:

1. Etcher is a graphical SD card writing tool that works on Mac OS, Linux and Windows, and is the easiest option for most users.
2. Etcher also supports writing images directly from the zip file, without any unzipping required.

More Advanced visit:

<https://www.raspberrypi.org/documentation/installation/installing-images/linux.md>

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Assignment



- **Assignment** Writing an image to the SD card
 - Write the image to the SD card using the advanced options given in the website mentioned in the note below
 - Boot the image and verify

More Advanced visit:
<https://www.raspberrypi.org/documentation/installation/installing-images/linux.md>

THANK YOU