

Moodle in a Raspberry Pi

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Wear Your Moodle Server

Take it to the Classroom

What hardware do i need?

- Raspberry Pi 4 Model B, 3 Model B+, 3 Model B or 3 Model A+.
- Power supply (depends on the model)
- microSD card of right size (recommended at least 32 GB or more)
- Optional:
 - Raspberry Pi case with refrigeration

Total hardware amount is about 50-80 €

What software?

- Moodlebox is a good choice:
 - [download from here](#)

or:

```
wget -c https://github.com/moodlebox/moodlebox/releases/download/v3.10.0/moodlebox-3.10.0.img.bz2
```

or:

```
curl -C - https://github.com/moodlebox/moodlebox/releases/download/v3.10.0/moodlebox-3.10.0.img.bz2
```

Installing Moodle in a USB stick

1. Buy the hardware
 2. Download the MoodleBox disk image
 3. Copy the disk image on your microSD card with [balenaEtcher](#), available for Windows, Linux and OS X.
 4. Startup your MoodleBox
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Starting Up!

- Insert your microSD card into the Raspberry Pi slot and power it up.
 - The red LED lights up, and after a few seconds the green LED lights up intermittently.
 - If you want, connect the Raspberry PI to the network or to an Internet.
 - After the boot, your Moodle is ready and totally functional.
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Wifi Connection

- On your device, choose Moodle wireless network. the default password is moodlebox (all lowercase).
 - You can access to the Moodle environment via browser, using [this address]:(<http://moodlebox.home/>).
 - Your device is offline and can only access resources stored on your device unless it is connected to the internet.
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Log in into Moodle

- Connect to Moodle Wi-Fi network (choose MoodleBox wireless network on your network manager)
 - When prompted type the password:
 - moodlebox (all lowercase)
 - Open <http://moodlebox.home/> and log in.
 - Credentials are:
 - username: moodlebox
 - password: Moodlebox4\$
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NOTES on installation

- Once logged, you're Moodle administrator.
 - For daily use it's strongly recommended that you change the default password of the Moodle admin account at the first login.
 - The initial Moodle installation has only one account (administrator) and no course is created.
 - Moodle environment should be configured by yourself, as well as the management of its contents (resources, activities, etc.).
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Some specific conf

- As an administrator, you may change several settings of the access point Wi-Fi settings of the MoodleBox. To do this, visit the MoodleBox dashboard at Site **administration** > **Server** > **MoodleBox** in the administration interface.
- As a normal user, you may access it if necessary via SSH, using the address moodlebox.home, using its default credentials:
 - username: moodlebox
 - password: Moodlebox4\$