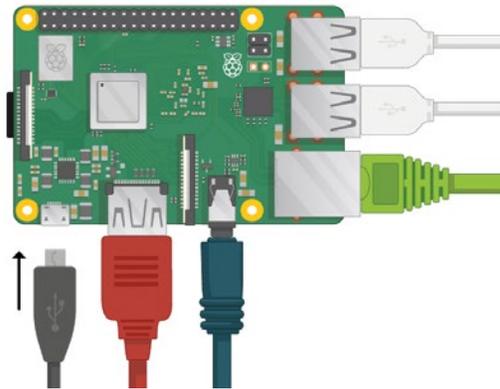


### What you will need

- Raspberry Pi
- TV or monitor
- Micro USB power supply
- HDMI cable
- Micro SD card
- Mouse
- Keyboard



### Install the operating system

- Download Raspbian or other OS from [raspberrypi.org/downloads](http://raspberrypi.org/downloads)
- Use [Etcher.io](http://etcher.io) to write the image
- Or use dd on the command line:
  - Use `df -h` to see your disk drives
  - Identify your SD card (e.g., `/dev/sdb`)
  - Unmount all its partitions: `sudo umount /dev/sdb1 /dev/sdb2`
  - Write the image file to the whole drive: `sudo dd bs=4M if=raspbian.img of=/dev/sdb status=progress`
  - Sync before removal: `sudo sync`

### Raspbian

- Default username: pi
  - Default password: raspberry
  - SSH (secure shell) disabled by default
  - Common settings in **Raspberry Pi Configuration**
  - Or run `sudo raspi-config`
- Tip: You can place an empty file `ssh` in the boot directory and SSH will be automatically enabled.

### WiFi

- Use the GUI to select a network
  - Or edit `/etc/wpa_supplicant/wpa_supplicant.conf` on the command line:
 

```
network={
  ssid="network"
  psk="password"
}
```
- Tip: You can place `wpa_supplicant.conf` in the boot directory and it will be applied.

### Installing software

- Update your package list: `sudo apt update`
- Upgrade all packages: `sudo apt upgrade`
- Install a new package: `sudo apt install <package>`
- Remove a package: `sudo apt purge <package>`

### Where to get help

- [raspberrypi.org](http://raspberrypi.org)
- [raspberrypi.org/documentation](http://raspberrypi.org/documentation)
- [projects.raspberrypi.org](http://projects.raspberrypi.org)
- [raspberrypi.org/forums](http://raspberrypi.org/forums)
- [raspberrypi.stackexchange.com](http://raspberrypi.stackexchange.com)
- [raspberrypi.org/jam](http://raspberrypi.org/jam)