

# raspberry pi

## información

- <https://www.raspberrypi.org/documentation/>
- <http://www.vichanther.org/como-se-hace/como-conectar-montar-discos-duros-usb-la-raspberry-pi>

## tutoriales

- raspi-zero USB minicomputer :  
<https://liferhacker.com/turn-a-raspberry-pi-zero-into-a-miniature-dongle-comput-1786996571>
- firewall : <https://opensource.com/life/16/3/firewall-your-home-network-raspberry-pi>
- supercomputer : <http://www.instructables.com/id/How-to-Make-a-Raspberry-Pi-SuperComputer/>

## bash

- \$ sudo raspi-config
- \$ startx → arranca entorno gráfico
- \$ sudo reboot
- \$ cat /sys/devices/system/cpu/cpu0/cpufreq/scaling\_cur\_freq
- \$ vim /etc/config.txt
  - arm\_freq=700 # defaul 700, hasta 1500 (creo)
  - agp\_frep=xxx #
- temperatura:
  - \$ cat /proc/acpi/thermal\_zone/ATF0/temperature
  - \$ cat /sys/class/thermal/thermal\_zone0/temp

## reconfiguración teclado

- dpkg-reconfigure keyboard-configuration
- setupcon

## NFS

- rpcbind
- nfs-common
- nfs-kernel-server

## ifconfig

### IP estática

/vía: <https://pi-hole.net/faq/how-do-i-set-a-static-ip-address-in-raspbian-jessie-using-etcdhcpd-conf/>

- nano /etc/dhcpd.conf
- añadir:

```
interface eth0
static ip_address=192.168.1.141/24
static routers=192.168.1.1
static domain_name_servers=192.168.1.1
```

## WIFI (RASPI3)

- scan de redes wifi: `sudo iwlist wlan0 scan`
- configuración:
  - `nano /etc/wpa_supplicant/wpa_supplicant.conf`
  - añadir:

```
network={
    ssid="nombre_red"
    psk="wifi_password"
}
```

- debería automaticamente, al cabo de unos segundos, conectarse, pero:
  - `reboot`
  - `sudo ifdown wlan0 y sudo ifup wlan0`
- /vía: <https://www.raspberrypi.org/documentation/configuration/wireless/wireless-cli.md>

## minecraft

- <http://www.lowefamily.com.au/2015/06/21/running-a-minecraft-server-on-raspberry-pi/>
- Pi3: <https://pimylifeup.com/raspberry-pi-minecraft-server/>
- <http://picraftbukkit.webs.com/pi-minecraft-server-how-to>
  - no usar este server, usar el propio de minecraft, pero si instrucción de arranque
  - [https://s3.amazonaws.com/Minecraft.Download/versions/1.8.4/minecraft\\_server.1.8.4.jar](https://s3.amazonaws.com/Minecraft.Download/versions/1.8.4/minecraft_server.1.8.4.jar)

## GPIO

### Pibrella

- <http://simplesi.net/scratchgpio/addon-boards/pibrella/>
- <http://www.tecoed.co.uk/pibrella-alarm-system.html>
- [http://www.amazon.es/gp/offer-listing/B00JACWLSS/ref=dp\\_olp\\_0?ie=UTF8&condition=all](http://www.amazon.es/gp/offer-listing/B00JACWLSS/ref=dp_olp_0?ie=UTF8&condition=all)

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Last update: **21/12/2017 04:39**

