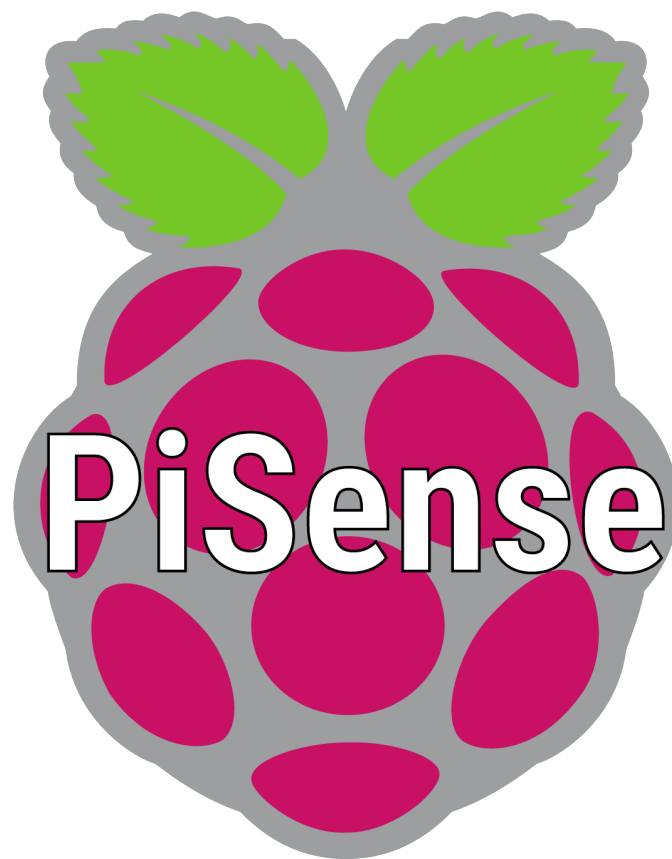


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# PiSense

Manual WiFi configuration on Raspberry Pi devices

Melvin Campos Casares



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# Manual - how to manually configure WiFi networks onto Raspberry Pi devices

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## 1 Add WiFi network info onto Raspberry Pi devices

Create a file in the root of boot called: `wpa_supplicant.conf` (instructions below). Then, paste the following into it (adjusting for your ISO 3166-1 alpha-2 country code, network name and network password):

```
country=BE
ctrl_interface=DIR=/var/run/wpa_supplicant GROUP=netdev
update_config=1

network={
    ssid="NETWORK-NAME"
    psk="NETWORK-PASSWORD"
}
```

Save the file and reboot the Raspberry Pi.

### 1.1 Access the boot folder

#### 1.1.1 Raspbian instructions

We suppose you're either directly working on the Raspberry Pi or via SSH, but always under root access.

1. Open a terminal
2. Go to the boot folder: `cd /boot/`
3. Create the new file either with vim or nano (example with vim): `sudo vim wpa_supplicant.conf`
4. Don't forget to save the file before quitting vim or nano

#### 1.1.2 Mac instructions

For those instructions, we suppose you burned fresh Raspbian on a microSD card.

1. Create a new empty file that will hold network info
2. Via terminal: `touch /Volumes/boot/wpa_supplicant.conf`
3. Edit the file and then save it.

#### 1.1.3 Windows instructions

1. Run Notepad
2. Paste in the contents holding network info
3. Click **File / Save as...**
4. Be sure to set **Save as type** to **All files** (so the file is NOT saved with a .txt extension)
5. Call the file `wpa_supplicant.conf` and save it
6. Close the file