

# The Edinburgh DMR Breakfast

#### IP Access device

also known as a "Hot Spot"

Where do I get one?

How does it go together?

# IP Access device also known as a "Hot Spot"

You will need a computer.....

Could be a single board computer Raspberry Pi, **Bannana** Pi Orange Pi Nano Pi Windows PC **Android device** 

# IP Access device also known as a "Hot Spot"

You will need a Modem.....

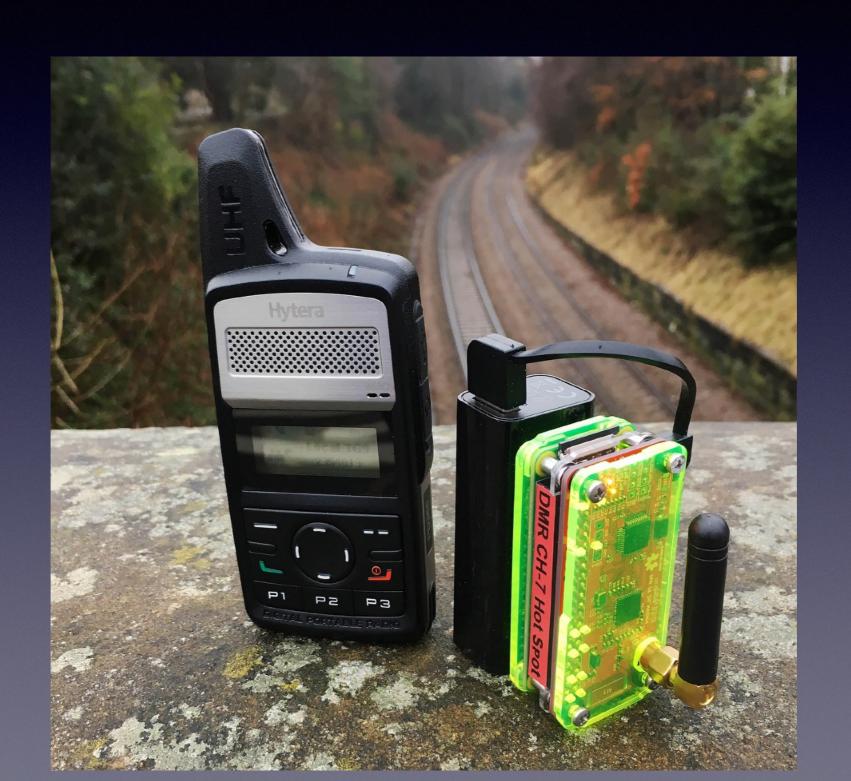
**MMDVM** board

**DV-Mega** 

All in one device

Open Spot

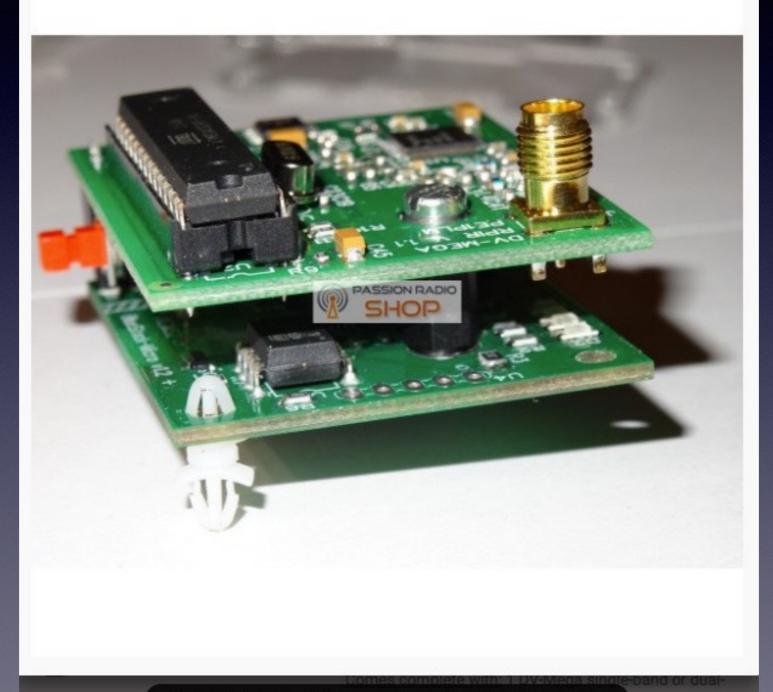
### MMDVM\_HS\_Hat & Raspberry Pi Zero



#### DV-Mega & Raspberry Pi Model A or B +



### **DV-Mega & Bluestack**



### **Shark RF Openspot**



### Where do I get one?

How does it go together?

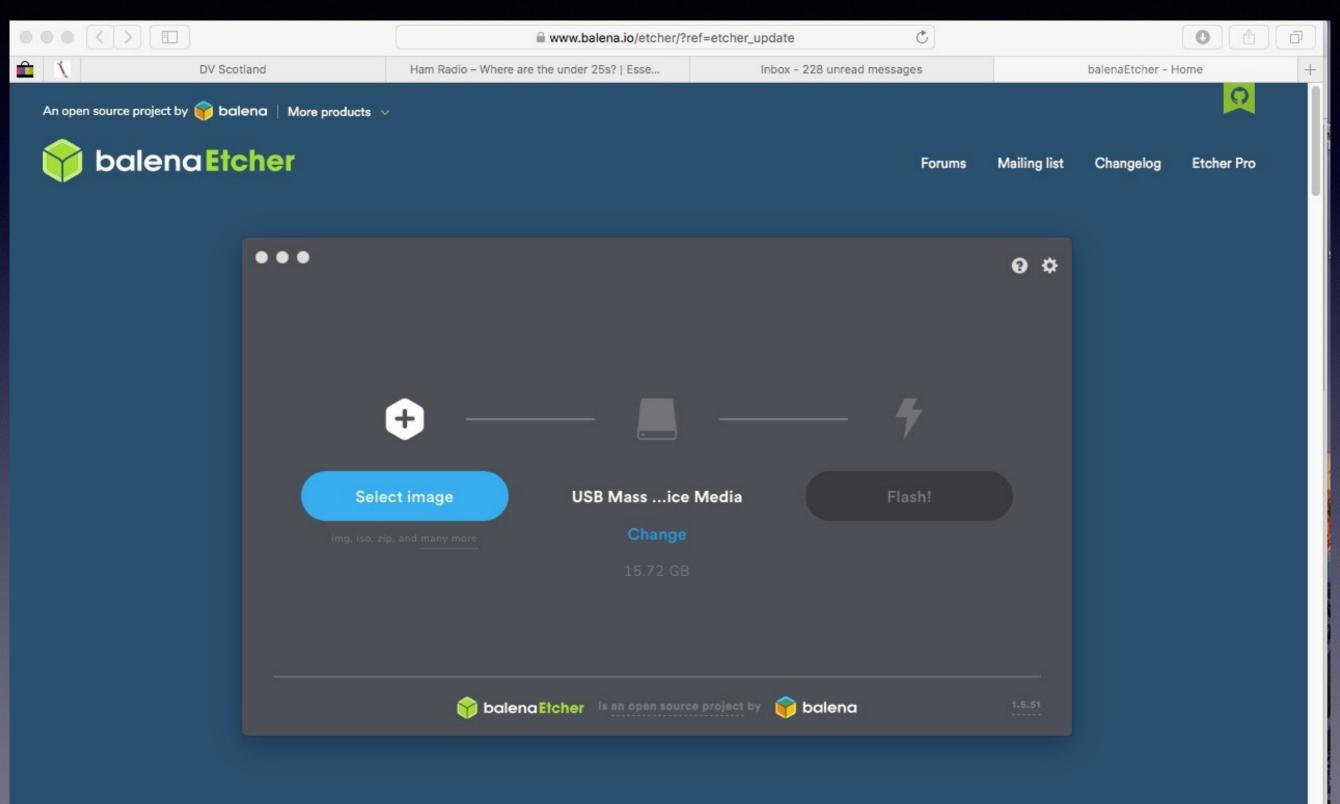
# IP Access device also known as a "Hot Spot" Where do I get one?

Ebay, DV-Mega, Combitronics NL Martin Lynch, WiMo,

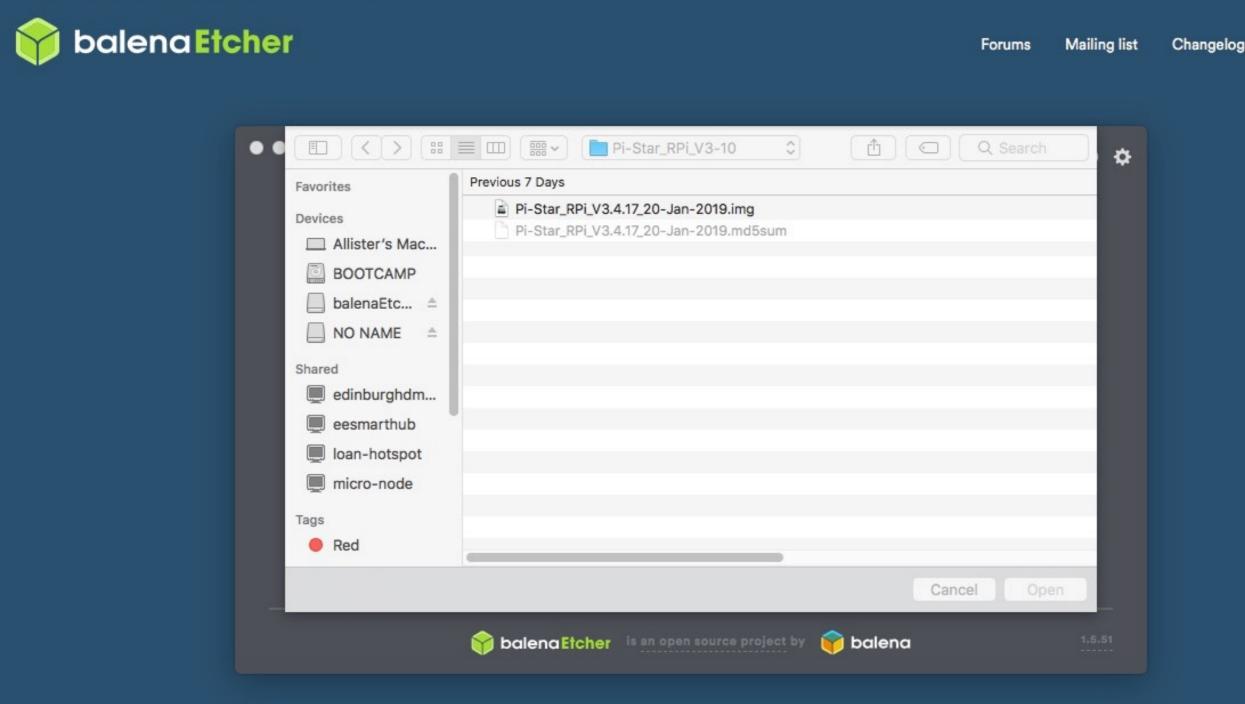
How does it go together?

Connect the boards, insert the card

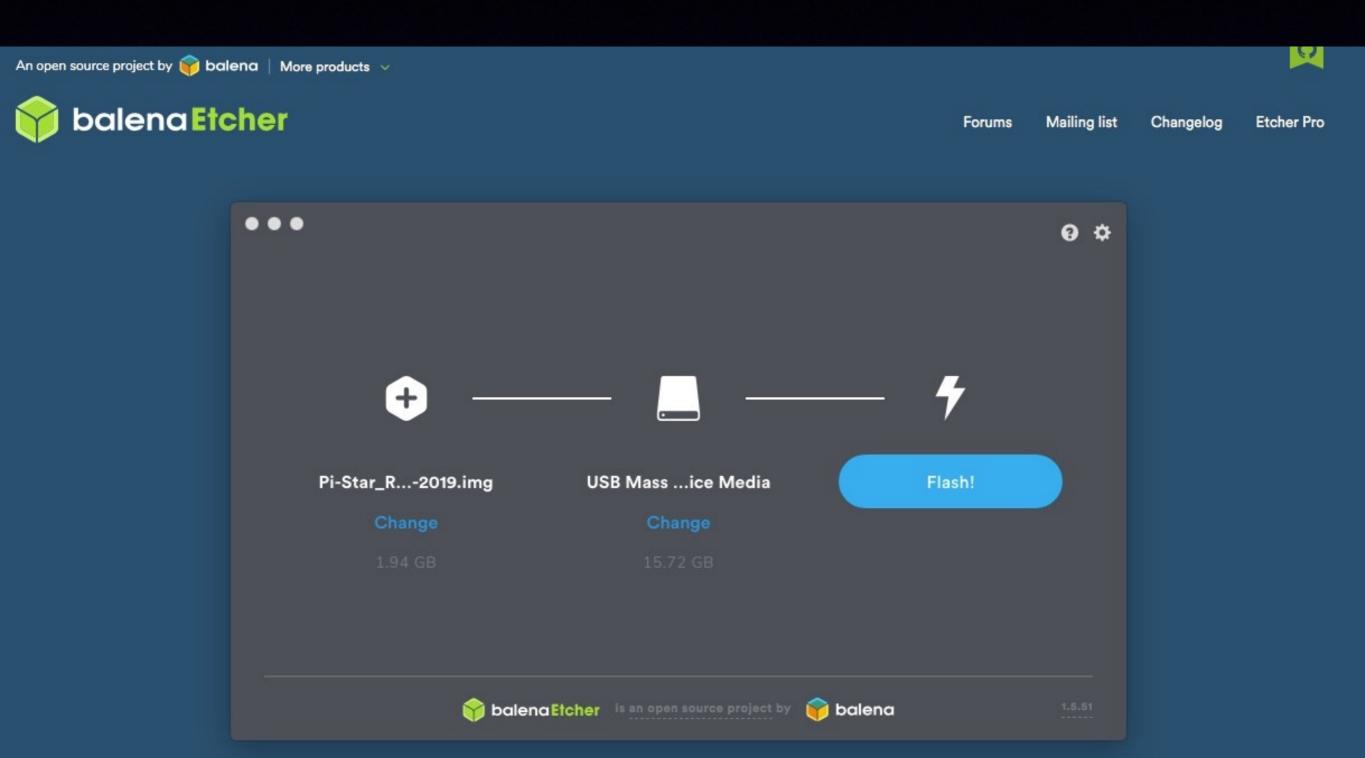
It really is "Plug and pray!"



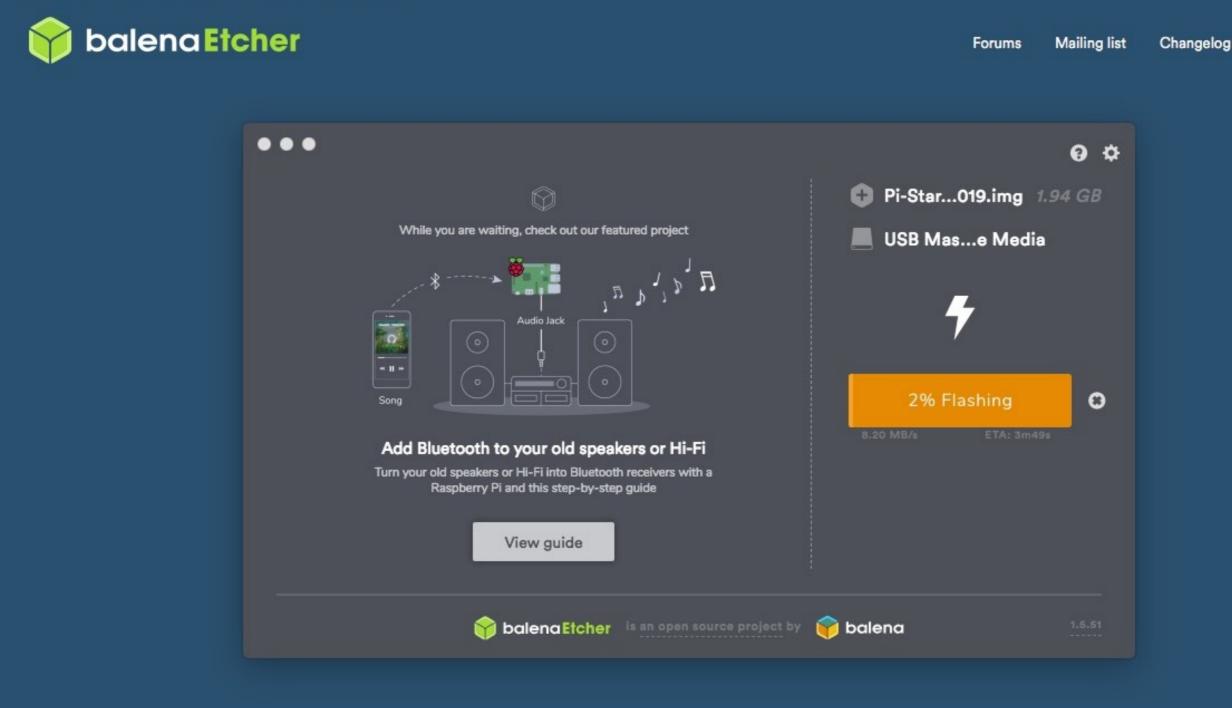
**Etcher Pro** 



An open source project by balena More products ~



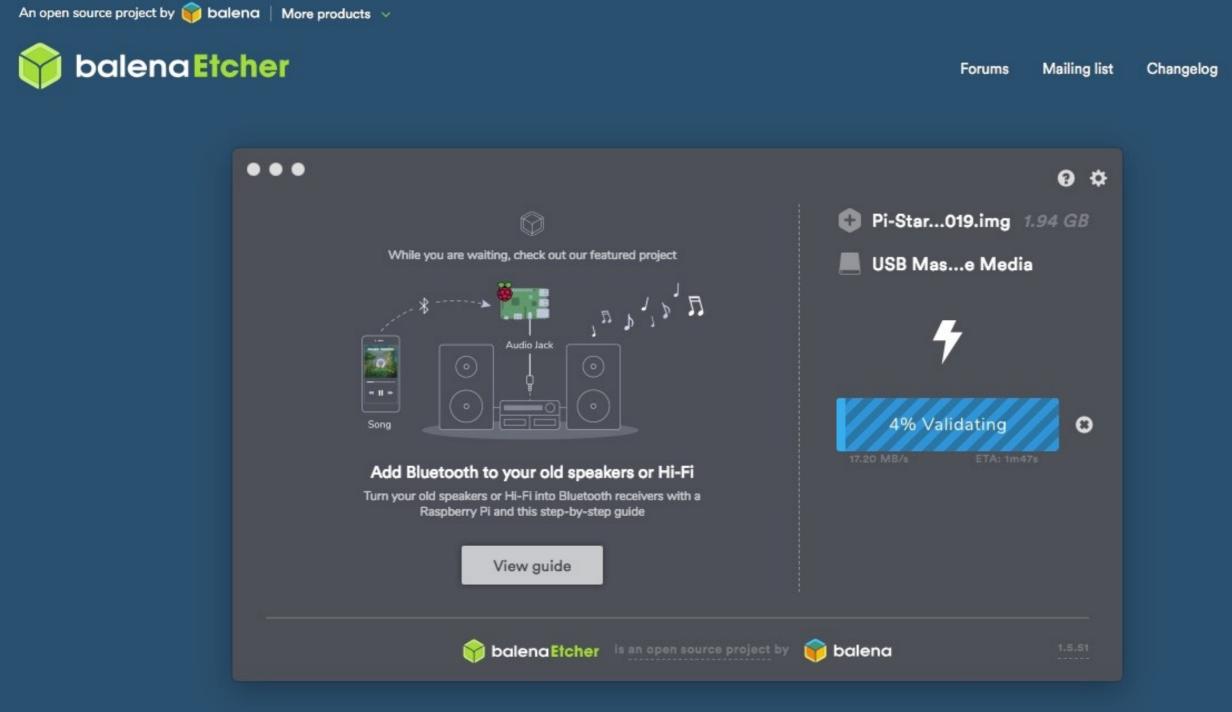
**Etcher Pro** 

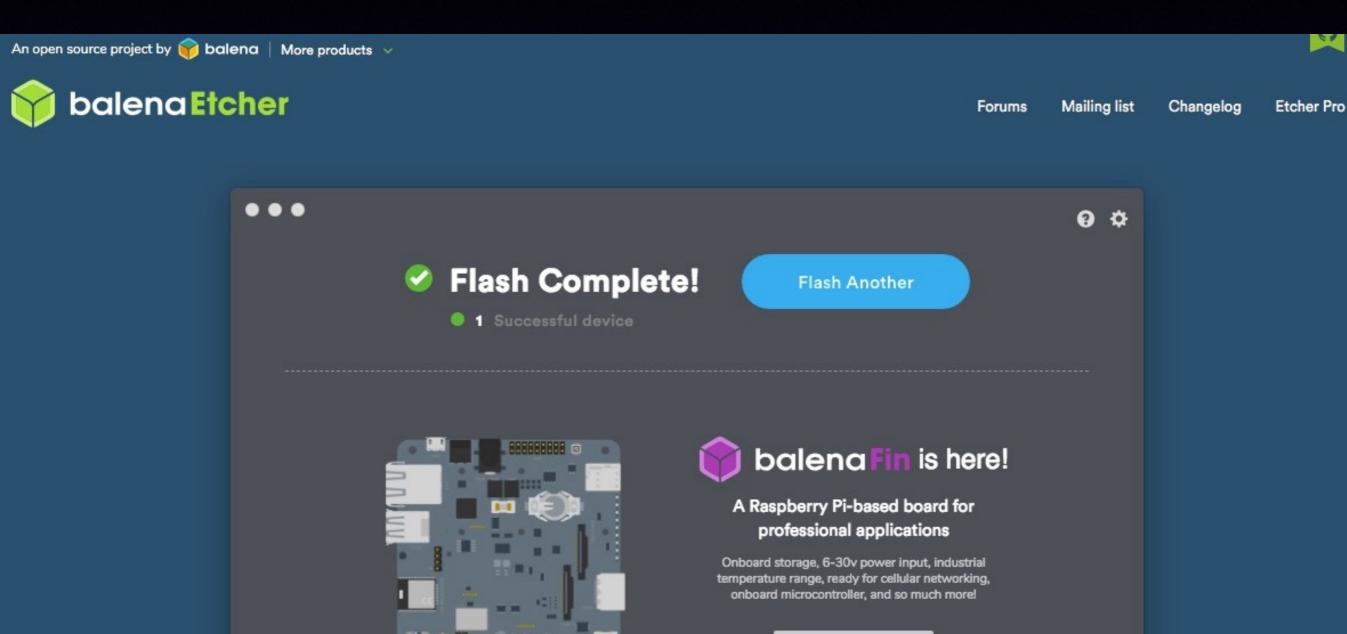


An open source project by balena More products

6)

Etcher Pro





Discover More

### Start the device and get the IP address How hard can that be?

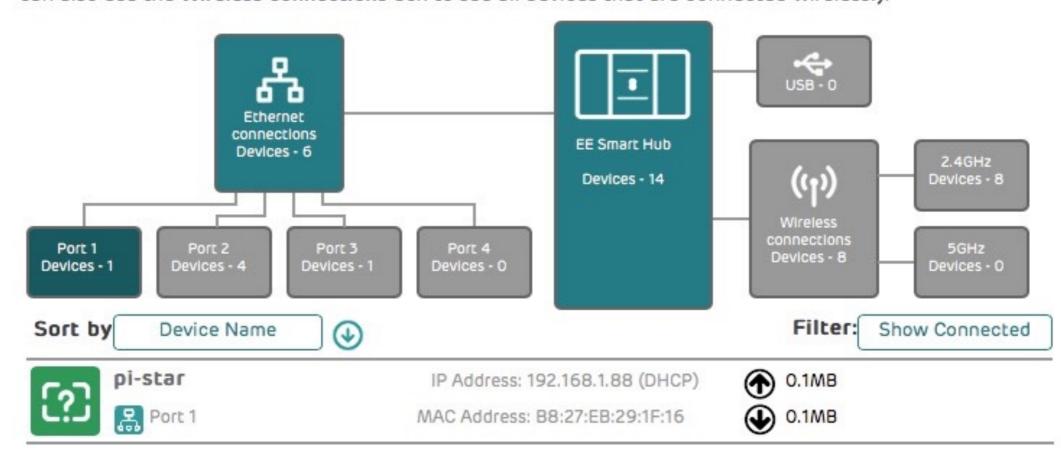
Home > My network

Change settings

Back

You can see the volume of data that each device has sent and received next to the up and down arrows, since your device was last connected.

Use the **Filter** link to see different sets of devices - such as all connected or disconnected ones. You can also use the **Wireless connections** box to see all devices that are connected wirelessly.



### Start the device and get the IP address

#### How hard can that be?



pi-star



Port 1

IP Address: 192.168.1.88 (DHCP)

MAC Address: B8:27:EB:29:1F:16

### Log in to the device and configure it.

#### How hard can that be?

Hostname: pi-star Pi-Star: 3.4.17 / Dashboard: 20190119

#### Pi-Star Digital Voice Dashboard for M1ABC

Dashboard | Admin | Configuration

#### No Mode Defined...

I don't know what mode I am in, you probaly just need to configure me.

You will be re-directed to the configuration portal in 10 secs

In the mean time, you might want to register on the support page here: https://www.facebook.com/groups/pistarusergroup/ or the Support forum here: https://forum.pistar.uk/

Pi-Star / Pi-Star Dashboard, © Andy Taylor (MW0MWZ) 2014-2019. ircDDBGateway Dashboard by Hans-J. Barthen (DL5DI), MMDVMDash developed by Kim Huebel (DG9VH), Need help? Click here for the Facebook Group or Click here to join the Support Forum Get your copy of Pi-Star from here.

### Log in to the device and configure it.

#### How hard can that be?

Pi-Star Digital Voice Dashboard for M1ABC

Log in to 192.168.1.88:80

Your password will be sent unencrypted.

pi-star

Pi-Star Digital Voice Dashboard for M1ABC

Log in to 192.168.1.88:80

Your password will be sent unencrypted.

Pi-Star Log in to 192.168.1.88:80

Your password will be sent unencrypted.

Cancel Log in

Pi-Star / Pi-Star Dashboard, @ Andy Taylor (MW0MWZ) 2014-2019.
ircDDBGateway Dashboard by Hans-J. Barthen (DL5DI),
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Need help? Click here for the Facebook Group
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### Log in to the device and configure it. Your there, now what!

Pi-Star: 3.4.17 / Dashboard: 20190119

#### Pi-Star Digital Voice - Configuration

Dashboard | Admin | Expert | Power | Update | Backup/Restore | Factory Reset

#### **Gateway Hardware Information**

|   | Hostname | Kernel     | Platform                      | CPU Load           | CPU Temp         |  |
|---|----------|------------|-------------------------------|--------------------|------------------|--|
| ı | pi-star  | 4.9.35-v7+ | Pi 3 Model B (1GB) - Sony, UK | 0.05 / 0.09 / 0.05 | 39.7°C / 103.5°F |  |

#### **Control Software**

| Setting              | Value   |  |
|----------------------|---|--|
| Controller Software: | OStarRepeater •MMDVMHost (DV-Mega Minimum Firmware 3.07 Required) |  |
| Controller Mode:     | • Simplex Node Ouplex Repeater (or Half-Duplex on Hotspots)       |  |

Apply Changes

#### **General Configuration**

| Setting           | Value  |  |  |  |
|-------------------|--|--|--|--|
| Hostname:         | pi-star Do not add suffixes such as .local                   |  |  |  |
| Node Callsign:    | M1ABC  |  |  |  |
| Radio Frequency:  | 438.800.000 MHz  |  |  |  |
| Latitude:         | 50.00 degrees (positive value for North, negative for South) |  |  |  |
| Longitude:        | -3.00 degrees (positive value for East, negative for West)   |  |  |  |
| Town:             | Town, L0C4T0R  |  |  |  |
| Country:          | Country  |  |  |  |
| URL:              | http://www.mw0mwz.co.uk/pi-star/ Auto Manual                 |  |  |  |
| Radio/Modem Type: |  |  |  |  |
| Node Type:        | Private OPublic  |  |  |  |
| System Time Zone: | Europe/London \$   |  |  |  |

### Log in to the device and configure it. Your there, now what!

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Now I have built it, how do I configure it?

By Carl MM0HJX