

**USER MANUAL**  
**Home-Assistant Basic**  
**Bundle ODROID-C4**



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# Home-Assistant

## Home-Assistant Starter Kit ODROID-C4

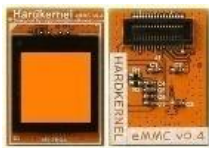
[The ODROID-C4 Starter Kit includes:](#)



1. ODROID-C4: The ODROID-C4 is like a desktop computer that you can hold in your hand. It can do fun things like browse the Internet, watch movies, allow you to run programs, games, and much more!



2. Power Supply 12V/2A: The power supply is what will provide the ODROID-C4 with electricity to work.



3. eMMC Module: eMMC's are storage devices where you can save information as well as installing different operating systems like Android, Linux, among others.



4. Wi-Fi Module: This Wi-Fi module will allow you to connect your ODROID-C4 to the internet.



5. HDMI cable: The HDMI cable will allow you to connect your hand-size computer to a monitor.



6. Case: This simple case will protect our ODROID-C4.



7. Ethernet Cable: With this cable you can connect the device directly to an Ethernet port, which is more stable than Wi-Fi connection.

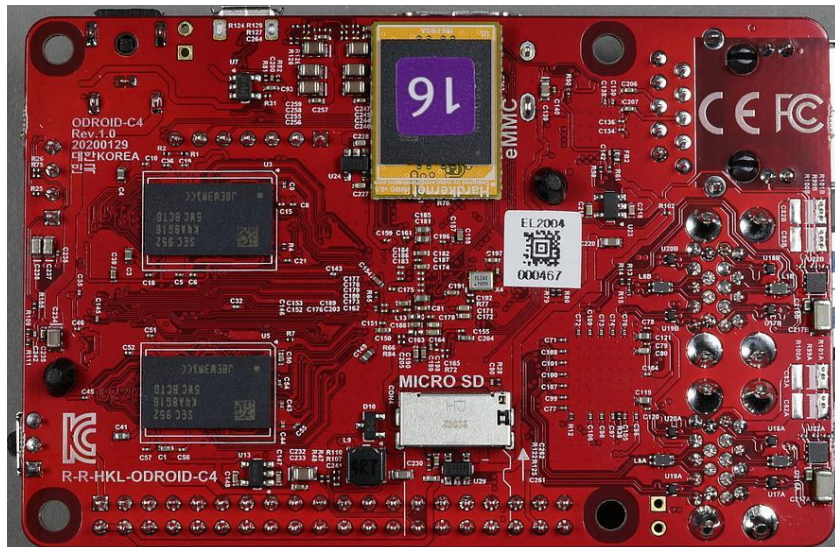


8. USB 3.0 eMMC Module Writer: This module can be used to reflash our eMMC with different OS's.

[With this Starter Kit there are a bunch of different things that you can do.](#)

## Setting Up ODROID-C4

### STEP 1: Placing the eMMC



[Simply the](#)  
[in the eMMC port in the ODROID-C4 board.](#)

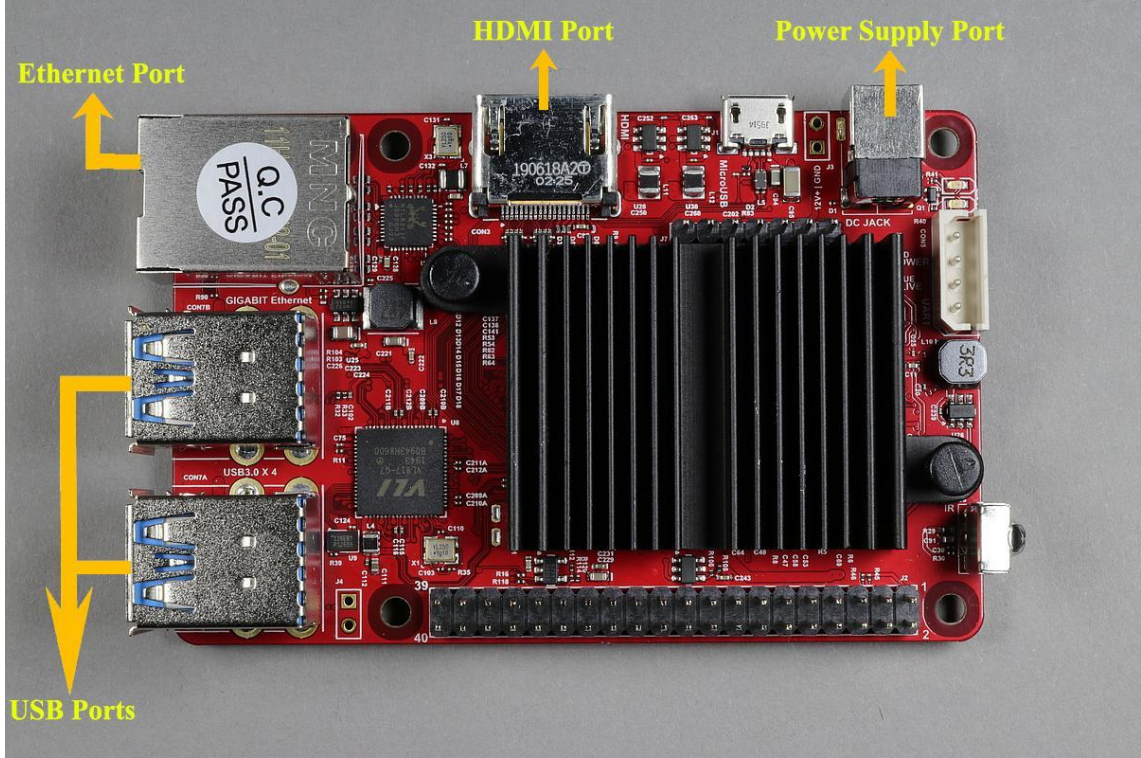
[insert](#)  
[eMMC](#)

### STEP 2: Inserting the Device into the Case



[Insert the ODROID-C4 in the top part of the case \(left side\), cover with the bottom part \(right side\) and insert the screws.](#)

### STEP 3: Connecting Accessories



For the final steps:

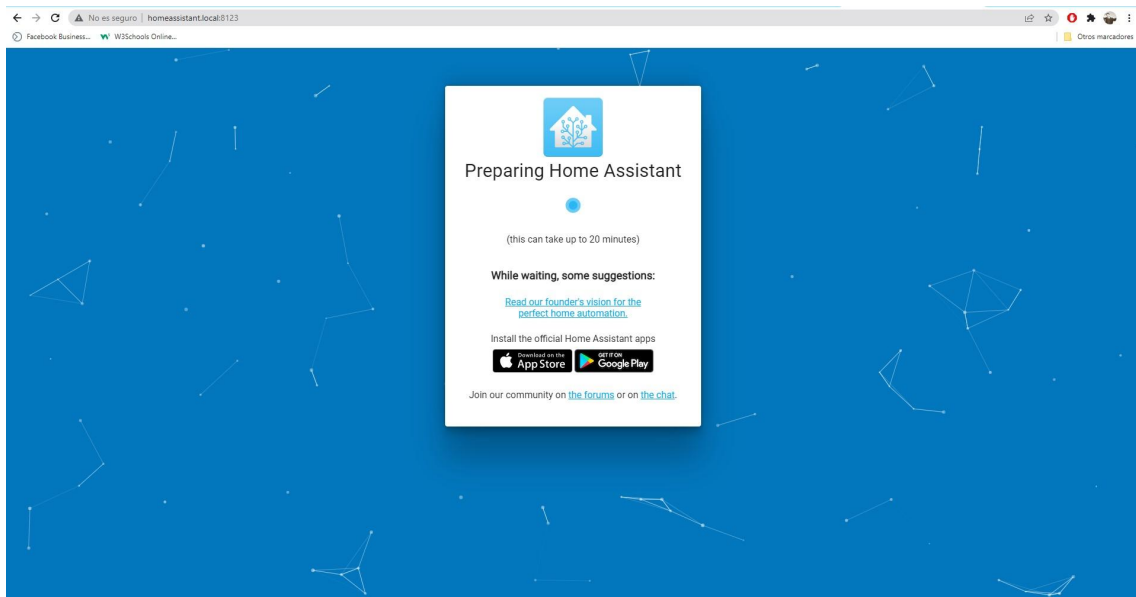
- [We need to connect the Ethernet cable by connecting it to the Ethernet port.](#)
- [Connect the Power Supply to get our Home-Assistant Starter Kit ODROID-C4 running.](#)

# Next Steps

## Setting up Home-Assistant

### STEP 1: Go to your browser

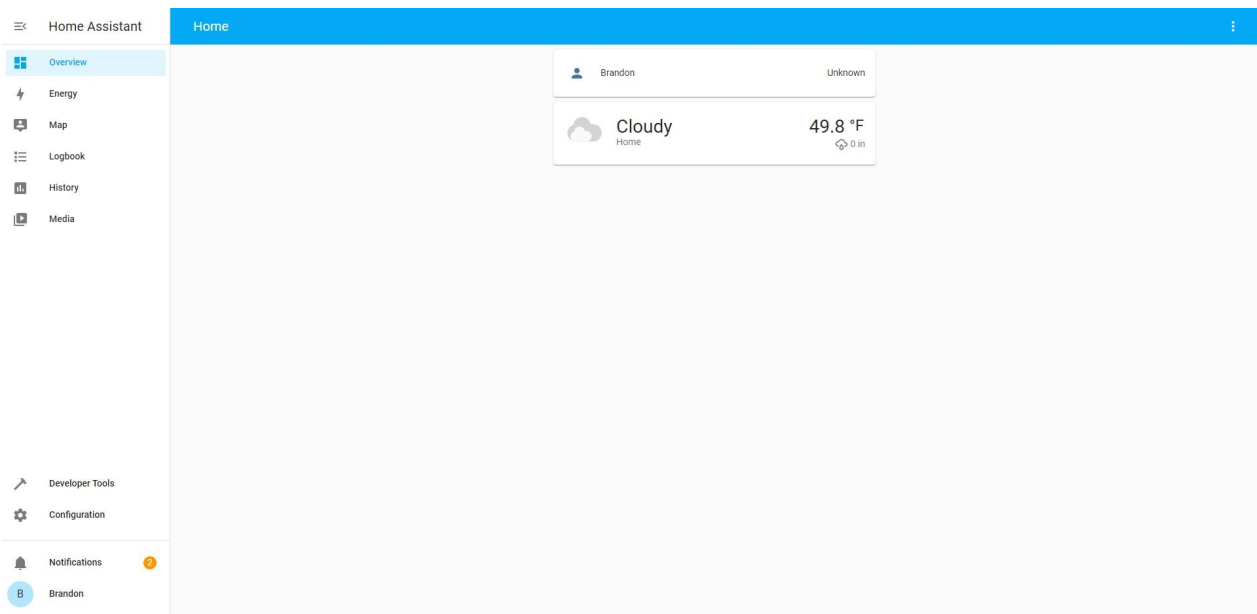
Go to your browser on your laptop, phone or tablet and try accessing <http://homeassistant:8123/> you can also download the home assistant app on iOS or Android.



### STEP 2: Create your Account

A screenshot of the Home Assistant account creation form. The form is white with a blue header containing the Home Assistant logo and the text 'Home Assistant'. Below the header, it asks 'Are you ready to awaken your home, reclaim your privacy and join a worldwide community of tinkerers?' and 'Let's get started by creating a user account.' The form contains four input fields: 'Name\*', 'Username\*', 'Password\*' (with an eye icon to toggle visibility), and 'Confirm Password\*' (also with an eye icon). A 'CREATE ACCOUNT' button is located at the bottom right of the form. Below the button, there is a link: 'Alternatively you can restore from a previous backup.'

Wait until the Home-Assistant OS gets updated and create your account.



### **STEP 3: Enjoy Home-Assistant**

#### **STEP 3: Home-Assistant Troubleshooting**

If you are not able to access <http://homeassistant:8123/> you will most likely be able to access Home-Assistant using the IPv4 address assigned to your device. In order to find the IPv4 follow the next steps:

- [Connect your ODROID-C4 to a monitor using the HDMI cable.](#)
- [When the username is asked, write “root” and press enter.](#)
- [If a password is required, write “root” and press enter.](#)

```
Home Assistant
Welcome to the Home Assistant command line.

System information
IPv4 addresses for eth0: 192.168.1.31/24
IPv6 addresses for eth0: 2603:6012:13e:3492:4f58:ca3b:ca02:5466/64, 2603:6012:13e:3492::cb8/128, fe80::f31c:d612:cb31:ea37/64

OS Version: Home Assistant OS 7.5
Home Assistant Core: 2022.3.5

Home Assistant URL: http://homeassistant.local:8123
Observer URL: http://homeassistant.local:4357
[core-ssh ~]$
```

You should get a screen like the one on the left.

Now just use the IPv4 address to access Home-Assistant from your web browser.

← → No es seguro | 192.168.1.31:8123 /auth/authorize?response\_type=code&redirect\_uri=http%3A%2F%2F192.168.1.31%3A8123%2F%3Fauth\_callback%3D1&client\_id=http%3A%2F%2F192.168.1.31%3A8123%2F%3Fstate=eyJ0XXN2VXJlajoiH0R0DQovLzE5M4...  
Facebook Business... W3Schools Online...

**Home Assistant**

You're about to give <http://192.168.1.31:8123/> access to your Home Assistant instance.

Logging in with **Home Assistant Local**

☐ Keep me logged in

**LOGIN**

← → No es seguro | 192.168.1.31:8123 / Lovelace/0  
Facebook Business... W3Schools Online...

**Home Assistant**

**Home**

Overview

Energy

Map

Logbook

History

Terminal

Media

Developer Tools

Configuration

Notifications 1

B Brandon

Brandon Unknown

**Binary sensor**

Sagemcom F@ST 5280 wan status Connected

**Sensor**

|                                       |                     |
|---------------------------------------|---------------------|
| Sagemcom F@ST 5280 B received         | 193,784,916,485 B   |
| Sagemcom F@ST 5280 B sent             | 46,508,141,607 B    |
| Sagemcom F@ST 5280 External IP        | 184.57.102.136      |
| Sagemcom F@ST 5280 KiB/s received     | 2.9 KiB/s           |
| Sagemcom F@ST 5280 KiB/s sent         | 1.7 KiB/s           |
| Sagemcom F@ST 5280 packets received   | 409,605,049 packets |
| Sagemcom F@ST 5280 packets sent       | 87,350,386 packets  |
| Sagemcom F@ST 5280 packets/s received | 28.1 packets/s      |
| Sagemcom F@ST 5280 packets/s sent     | 7.3 packets/s       |
| Sagemcom F@ST 5280 wan status         | Connected           |

Rainy Home

50 °F

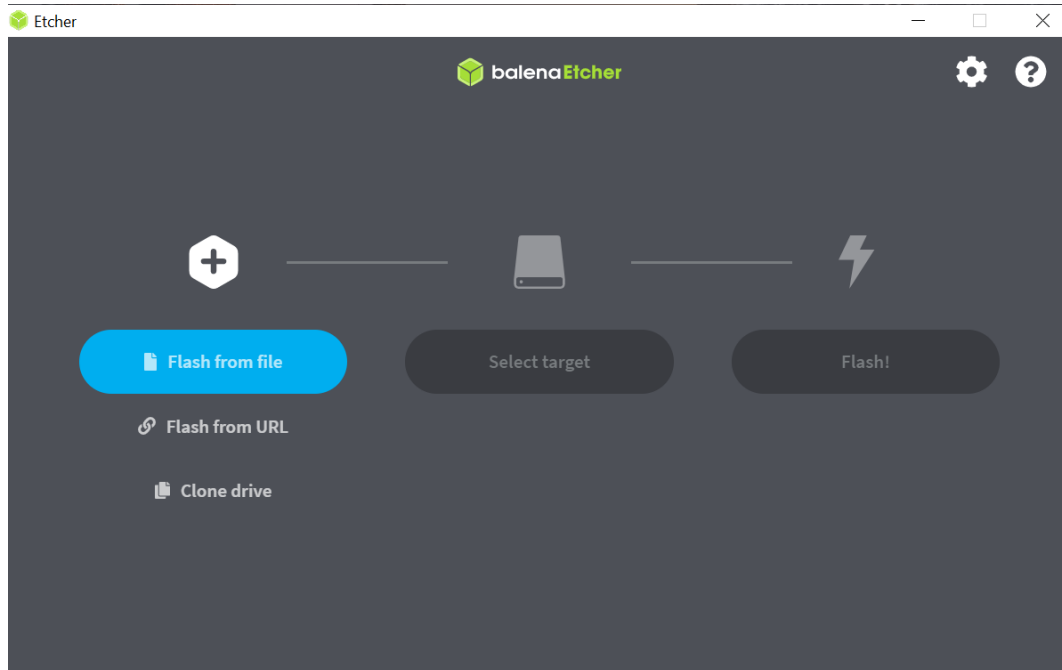
0 in

[If you still can't access Home-Assistant, or you do not get an IPv4 address, make sure that your Ethernet Cable is working correctly.](#)

# Appendix

## Appendix A: Flash your eMMC with different Operating Systems.

### STEP 1: Setting Up the Software



First, we need to download balenaEtcher from <https://www.balena.io/etcher/>. And the image of the operating system that we desire to use

Linux: [https://wiki.odroid.com/odroid-c4/os\\_images/ubuntu/mate/20210128](https://wiki.odroid.com/odroid-c4/os_images/ubuntu/mate/20210128)

Android:

<https://dn.odroid.com/S905X3/ODROID-C4/Android/pie/64/selfinstall-odroidc4-92-64bit-20220222.img.xz>

Home-Assistant:

[https://github.com/home-assistant/operating-system/releases/download/7.4/haos\\_odroid-c4-7.4.img.xz](https://github.com/home-assistant/operating-system/releases/download/7.4/haos_odroid-c4-7.4.img.xz)

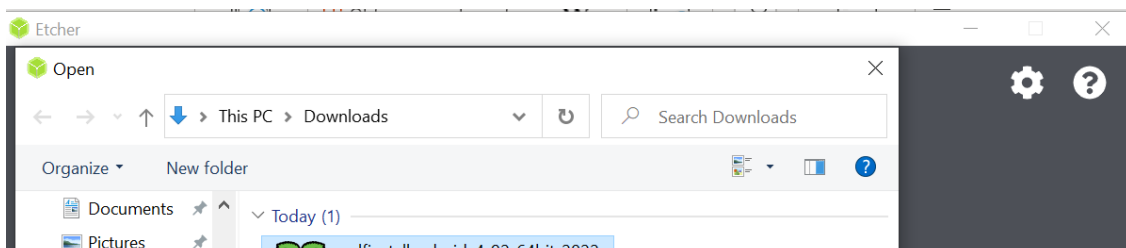
EmuElec:

[https://github.com/EmuELEC/EmuELEC/releases/download/v4.3/EmuELEC-Amlogic-ng.aarch64-4.3-Odroid\\_C4.img.gz](https://github.com/EmuELEC/EmuELEC/releases/download/v4.3/EmuELEC-Amlogic-ng.aarch64-4.3-Odroid_C4.img.gz)

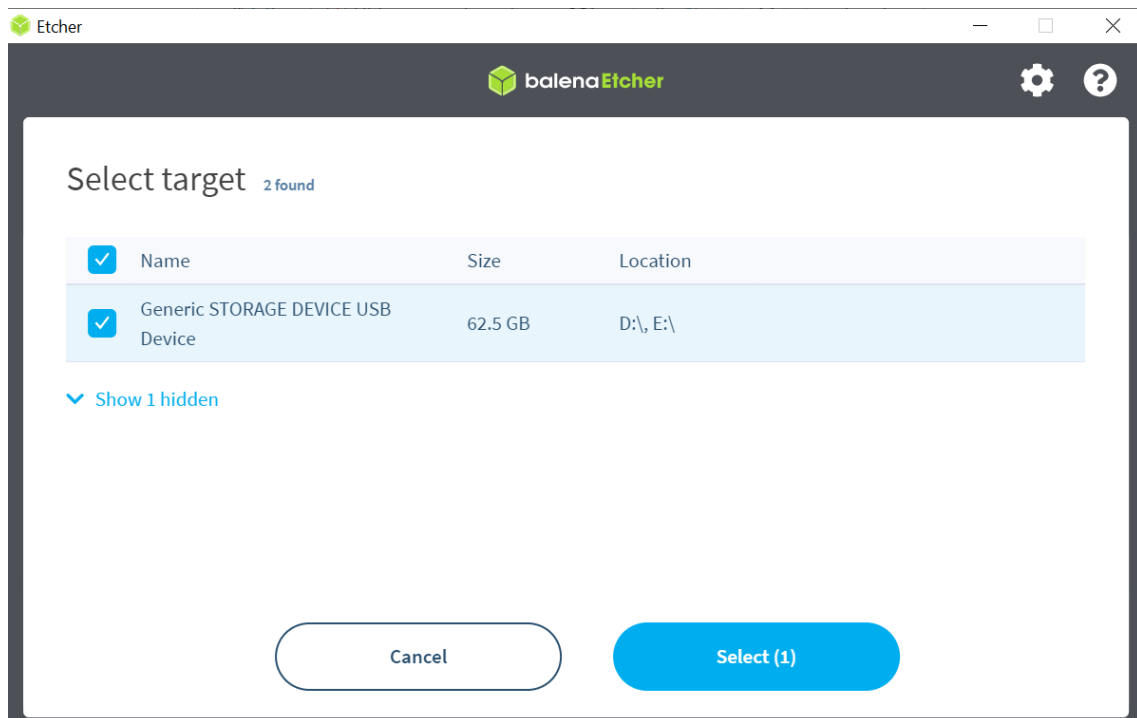
Batocera:

<https://updates.batocera.org/odroidc4/stable/latest/batocera-s905gen3-odroidc4-33-20220203.img.gz>

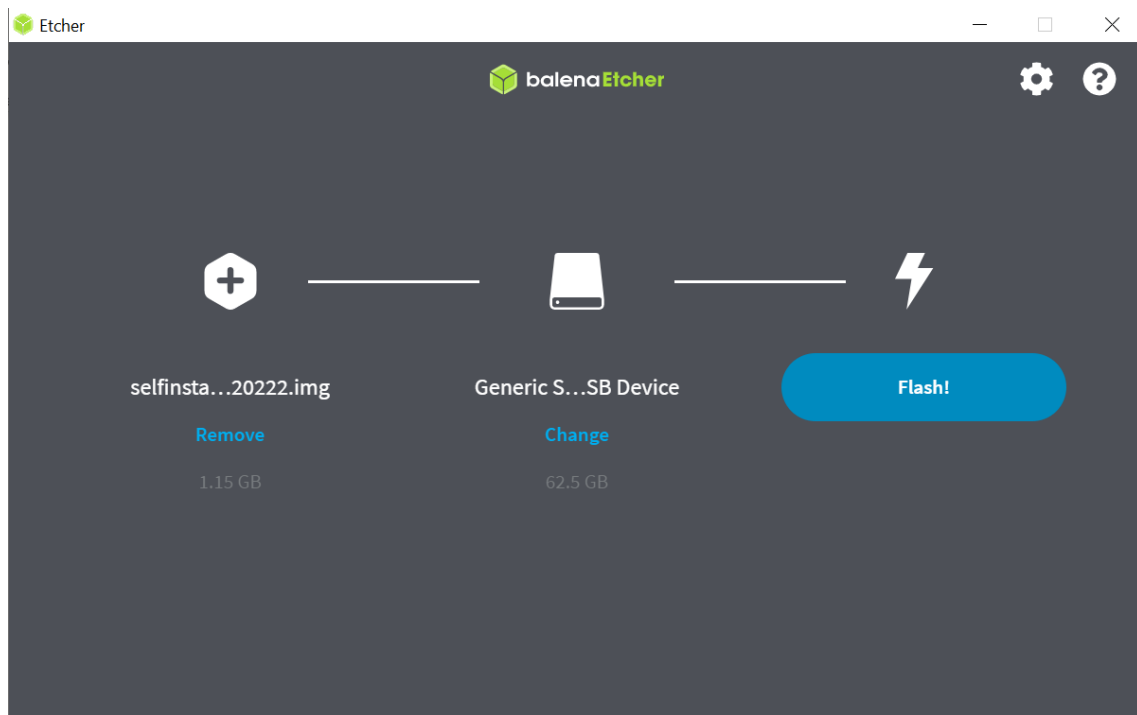
Now, we select the option file from file and look for the operating system that we just downloaded.



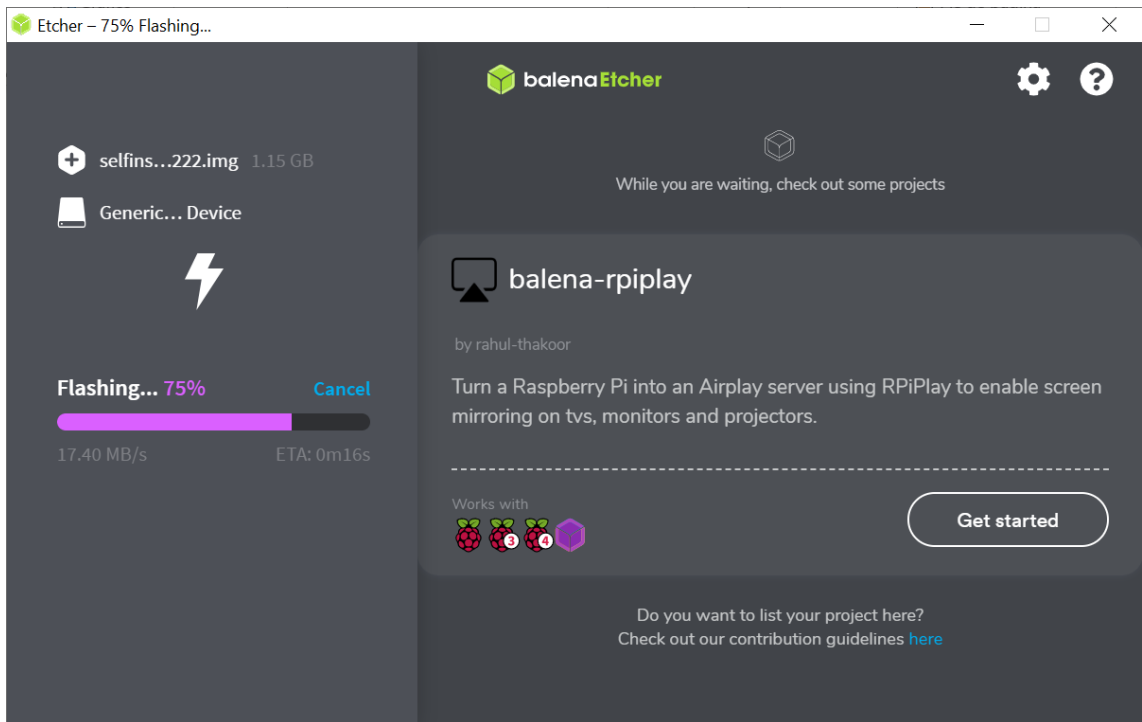
[Next, we will need to select target, which will be our eMMC Module](#)



[Once we select the right target, we hit flash!](#)



[Wait while it flashes](#)



[And it is done!](#)

