USER MANUAL Home-Assistant Basic Bundle ODROID-C4



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Home-Assistant

Home-Assistant Starter Kit ODROID-C4

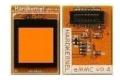
The ODROID-C4 Starter Kit includes:



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.

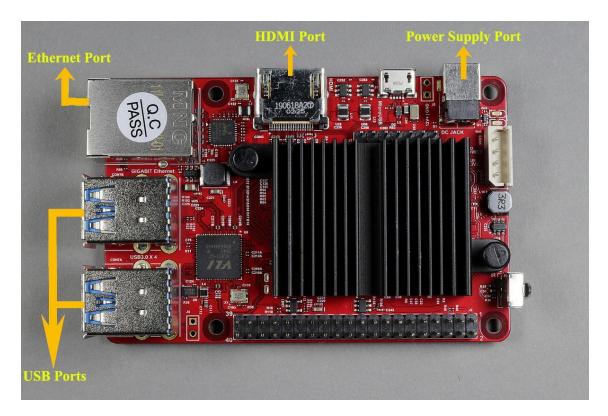
<u>insert</u> <u>eMMC</u>

STEP 2: Inserting the Device into the Case



<u>Insert the ODROID-C4 in the top part of the case (left side), cover with the bottom part (right side) and insert the screws.</u>

STEP 3: Connecting Accessories



For the final steps:

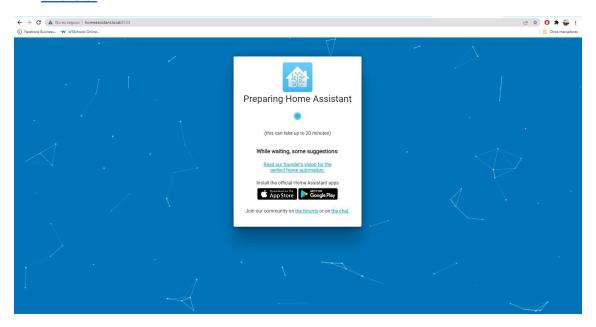
- We need to connect the Ethernet cable by connecting it to the Ethernet port.
- Connect the Power Supply to get our Home-Assistant Starter Kit ODROID-C4 running.

Next Steps

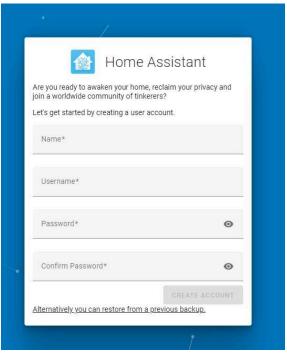
Setting up Home-Assistant

STEP 1: Go to your browser

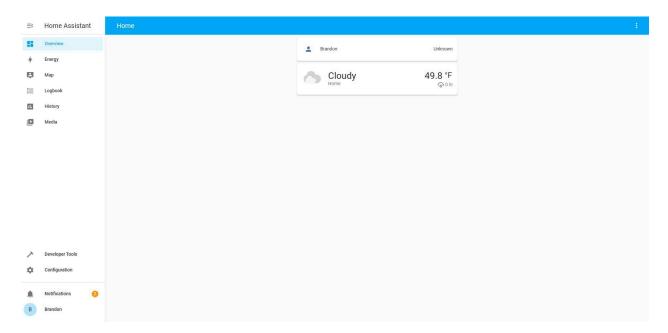
Go to your browser on your laptop, phone or tablet and try accessing http://homeassistant:8123/ you can also download the home assistant app on iOS or Android.



STEP 2: Create your Account



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

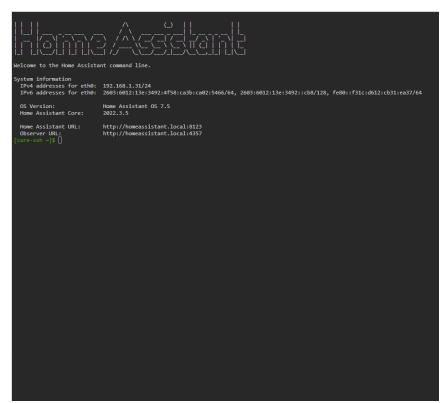


STEP 3: Enjoy Home-Assistant

STEP 3: Home-Assistant Troubleshooting

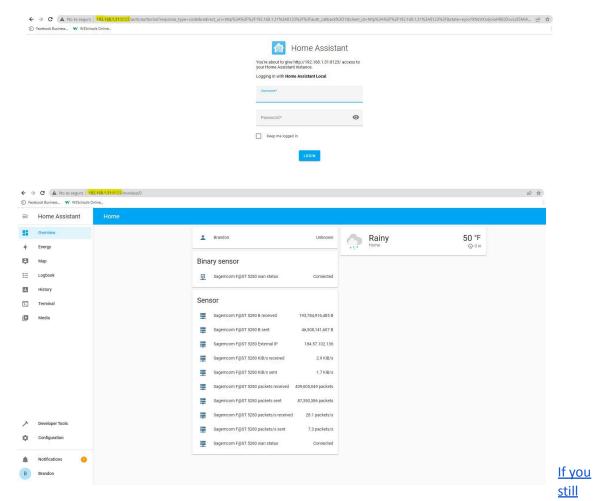
If you are not able to access http://homeassistant:8123/ you will most likely be able to access Home-Assistant using the IPv4 address assigned to your device. In order to find the IPv4 follow the next steps:

- 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.



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

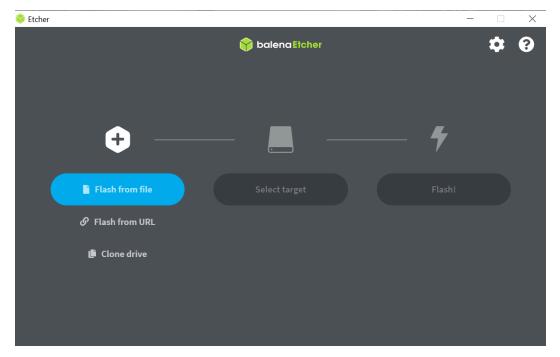
Now just use the IPv4 address to access
Home-Assistant from your web browser.



can't access Home-Assistant, or you do not get an IPv4 address, make sure that your Ethernet Cable is working correctly.

<u>Appendix</u>

Appendix A: Flash your eMMC with different Operating Systems. STEP 1: Setting Up the Software



First, we need to download balena Etcher 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

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

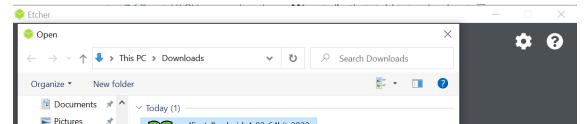
EmuElec:

https://github.com/EmuELEC/EmuELEC/releases/download/v4.3/EmuELEC-Amlogic-ng.aarch64-4.3-Odroid C4.img.gz

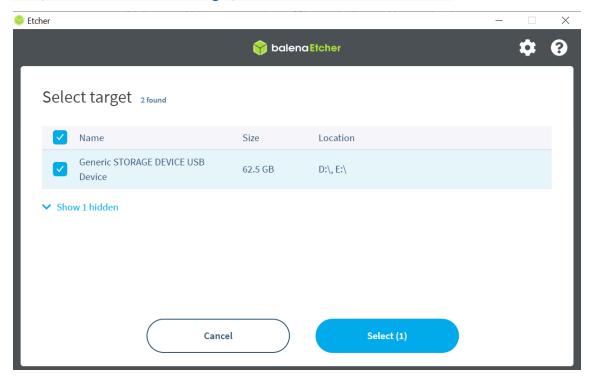
Batocera:

https://updates.batocera.org/odroidc4/stable/last/batocera-s905gen3-odroidc4-33-20220203.img.gz

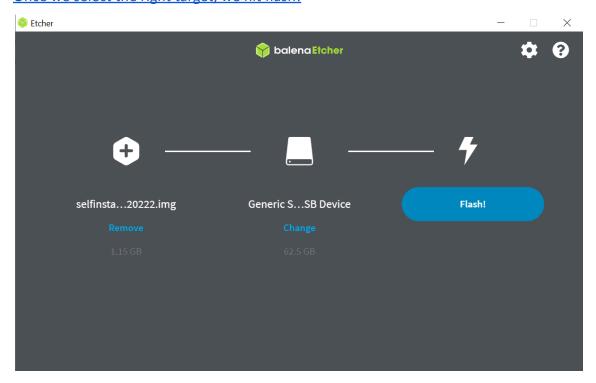
Now, we select the option file from file and look for the operating system that we just downloaded.



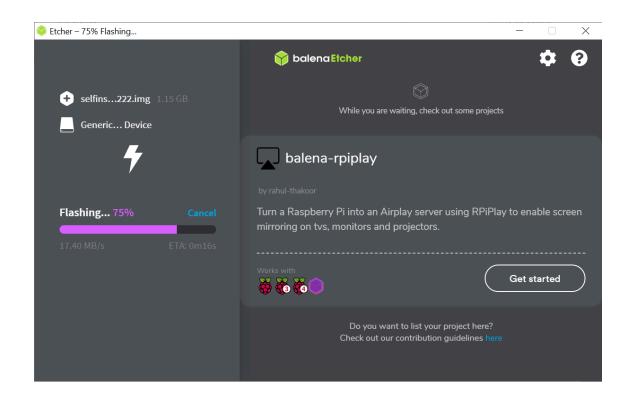
Next, we will need to select target, which will be our eMMC Module



Once we select the right target, we hit flash!



Wait while it flashes



And it is done!

