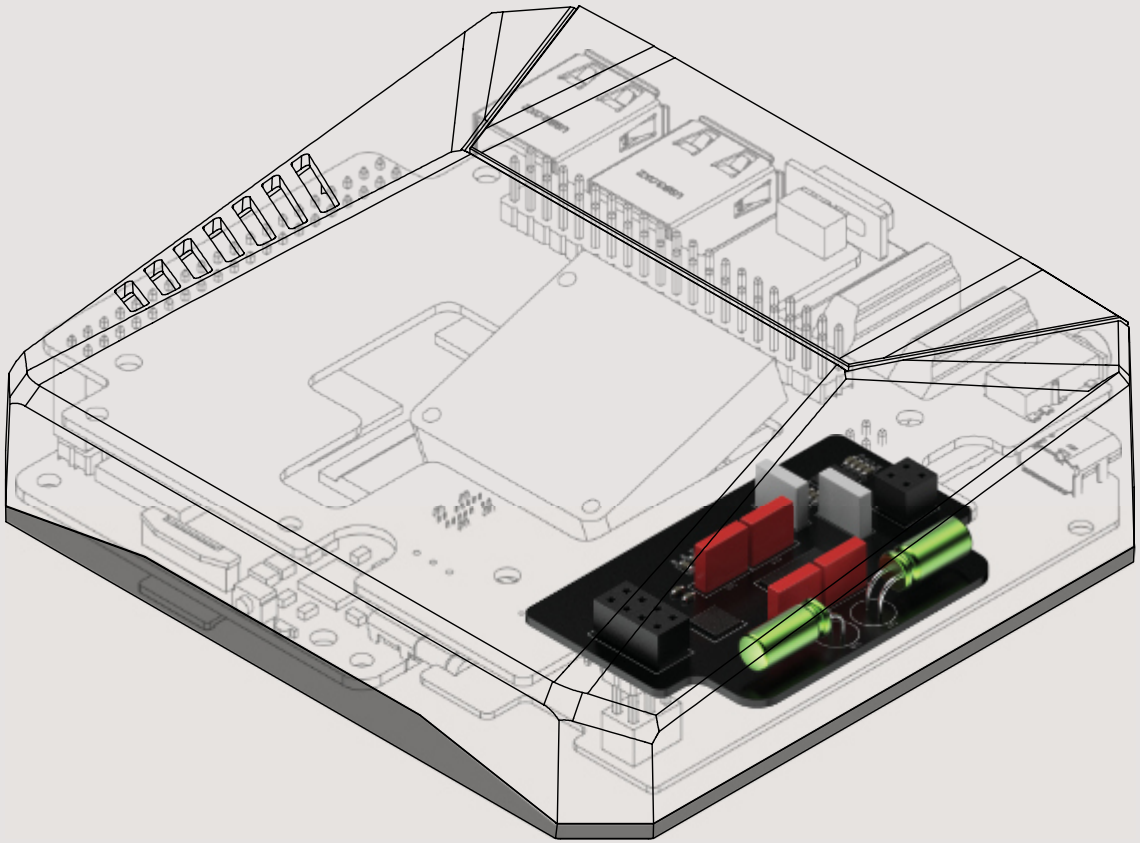
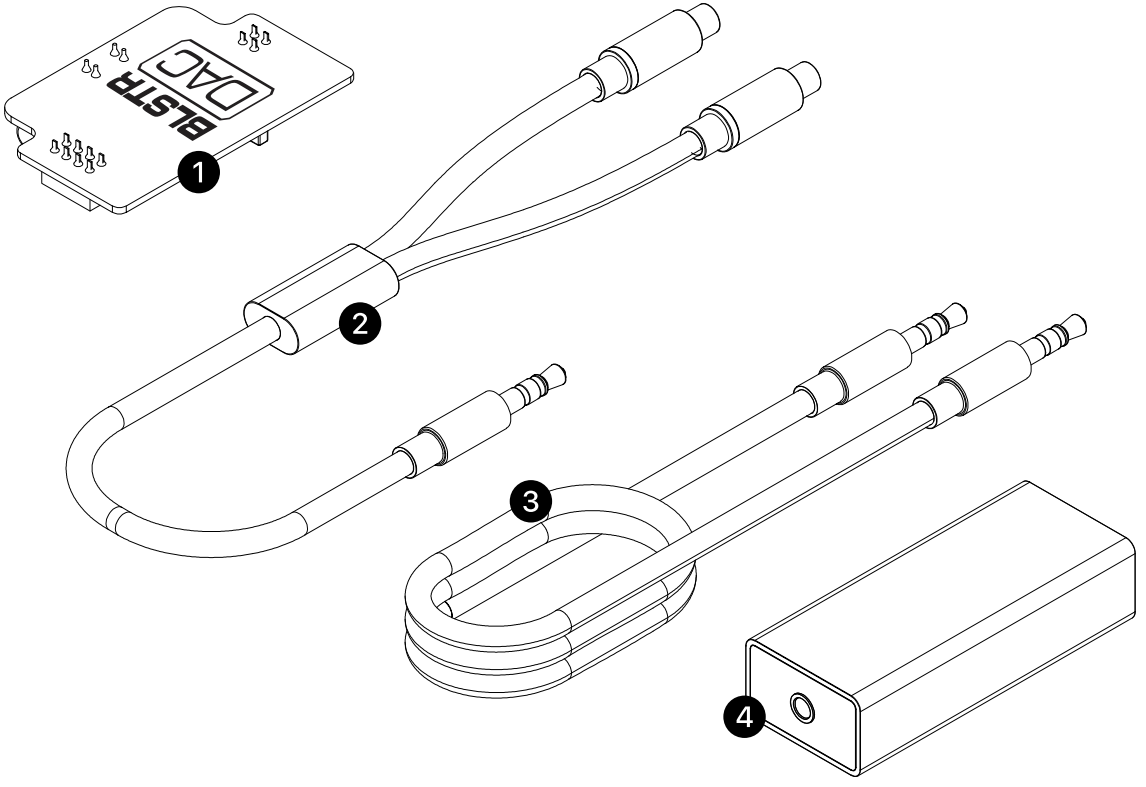
Argon BLSTR DAC
with Ground Loop Isolator

Instructions Manual

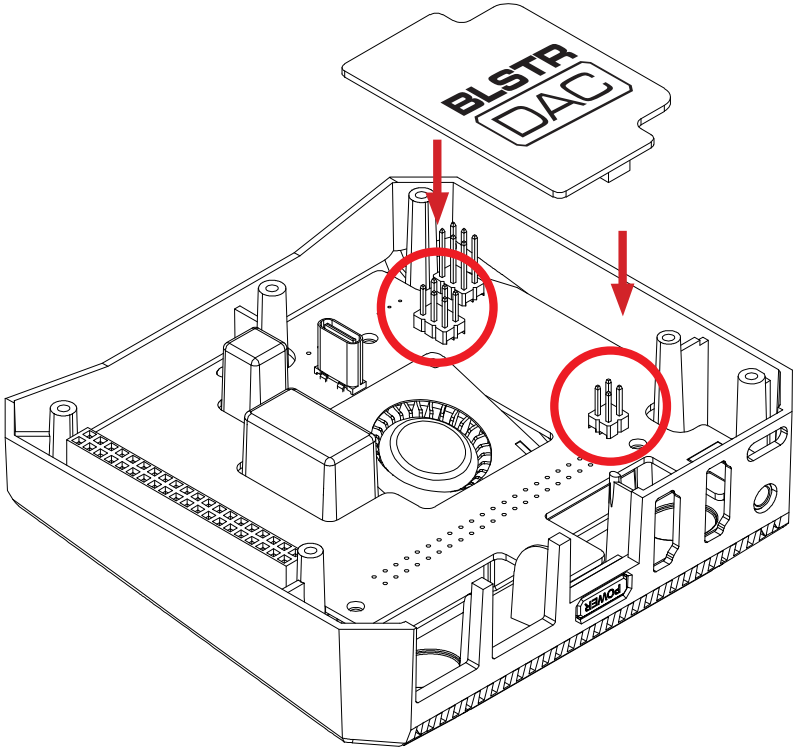


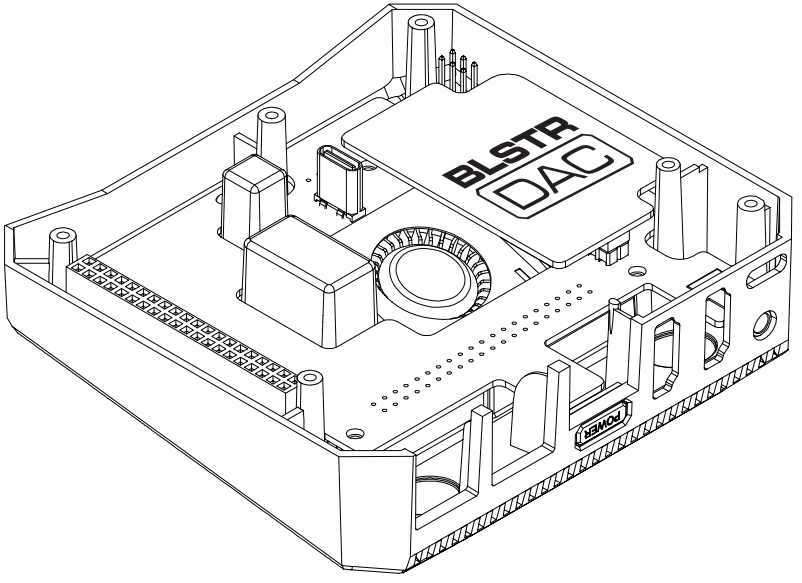
ARGON BLSTR DAC GROUND LOOP ISOLATOR PARTS



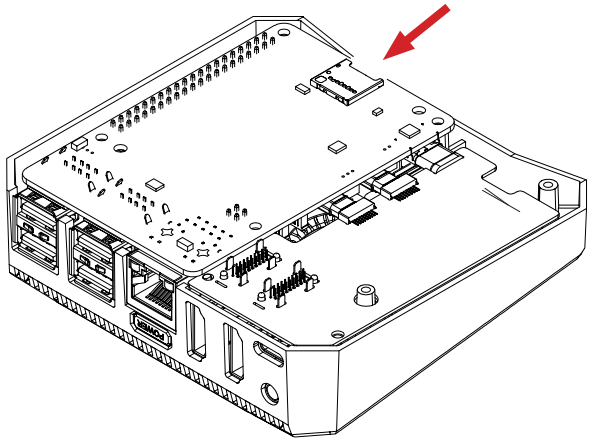
1. BLSTR DAC Board
2. 3.5mm to RCA cable
3. 3.5mm to 3.5mm cable
4. Ground Loop Isolator unit

1. Connect the **Argon BLSTR DAC** Board to the pins of the Argon ONE V3 Fan Board. **Argon BLSTR DAC** is needed to activate the 3.5mm Audio Jack to work.



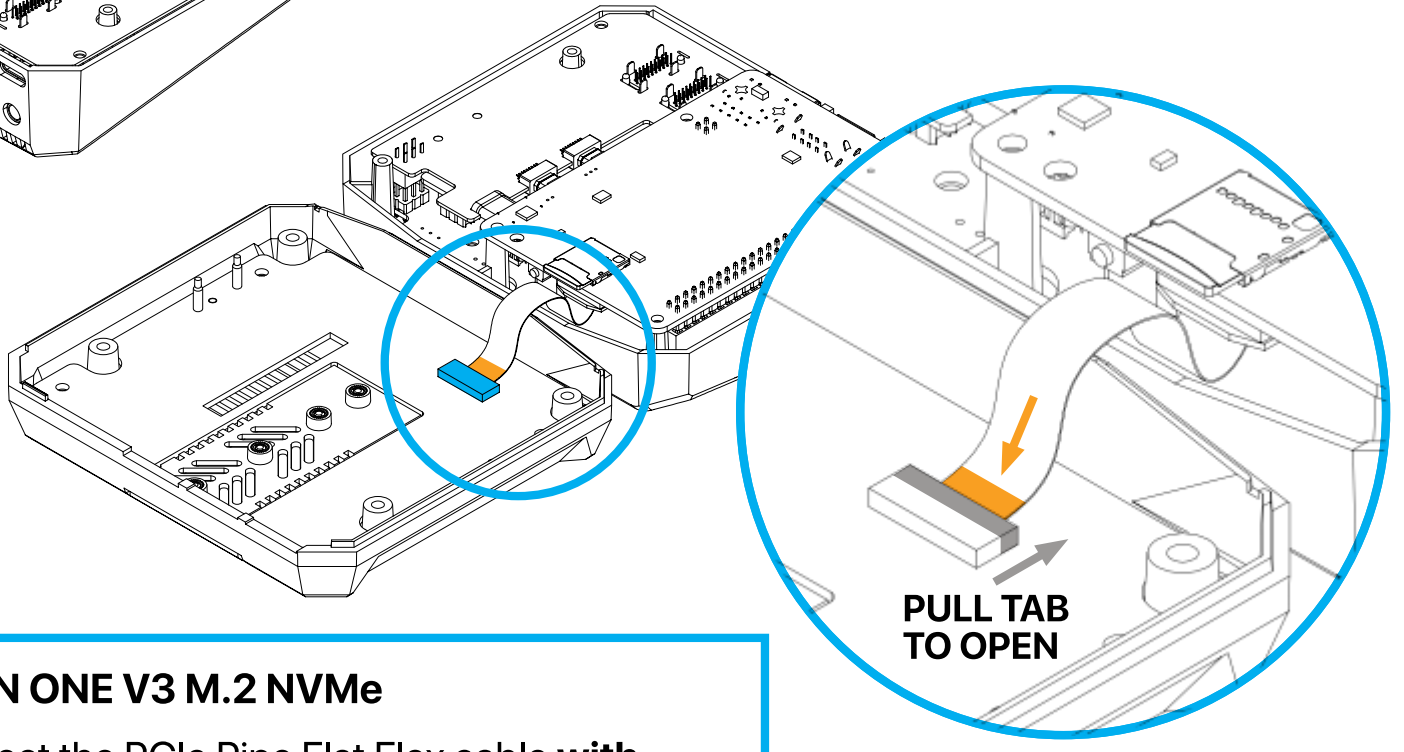


2. Carefully connect Raspberry Pi® 5 HDMI-Power assembly to the female GPIO port of the Argon ONE V3 case.



FOR ARGON ONE V3 CASE ONLY:

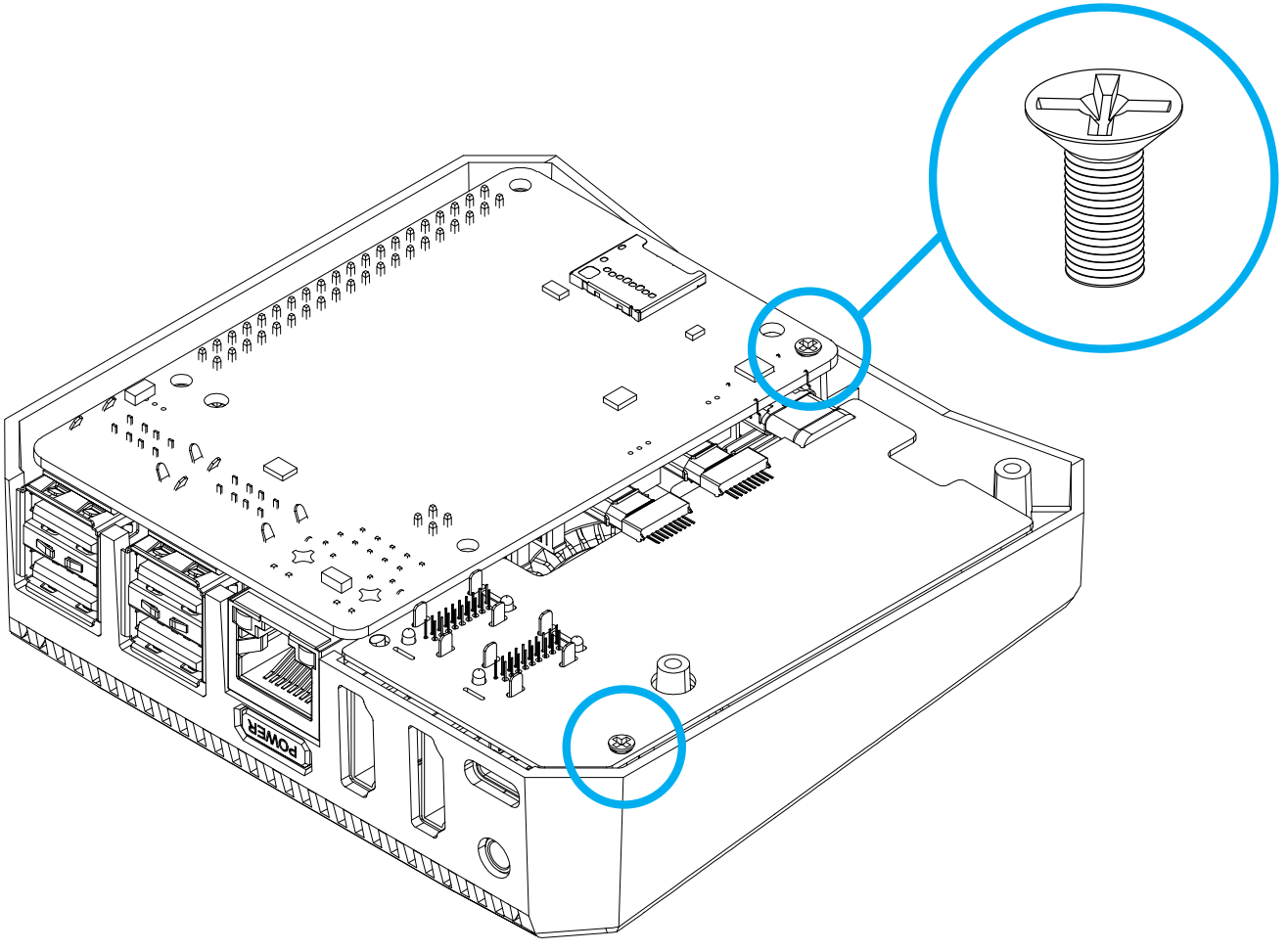
Please make sure that the microSD Card is **NOT inserted** to the Raspberry Pi during assembly.



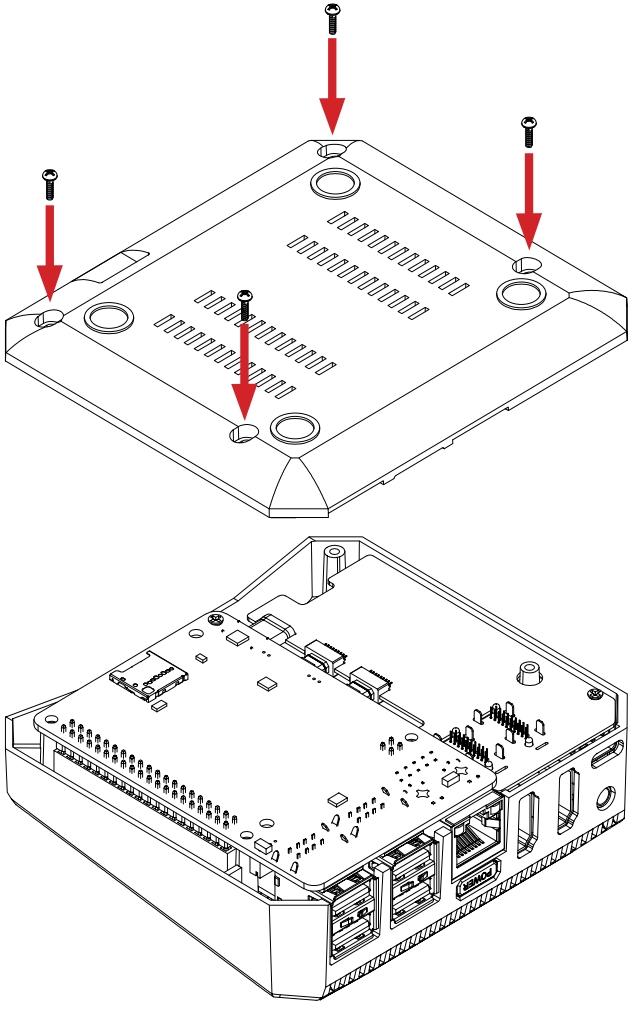
FOR ARGON ONE V3 M.2 NVMe

Please connect the PCIe Pipe Flat Flex cable **with copper facing up** to the Cable to the Expansion Board

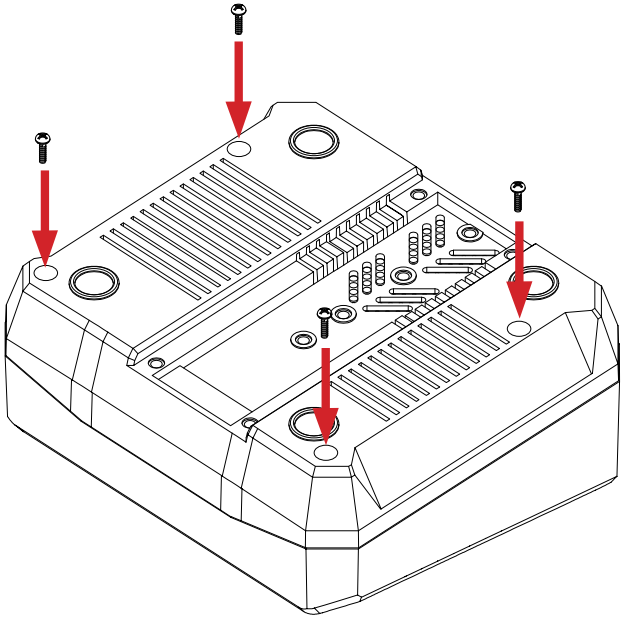
3. Use **flat head screws** to fasten Raspberry Pi® 5 and HDMI-Power Board assembly to top case.



4. Secure the bottom cover of the **Argon ONE V3** using the **round head screws.**



ARGON ONE V3



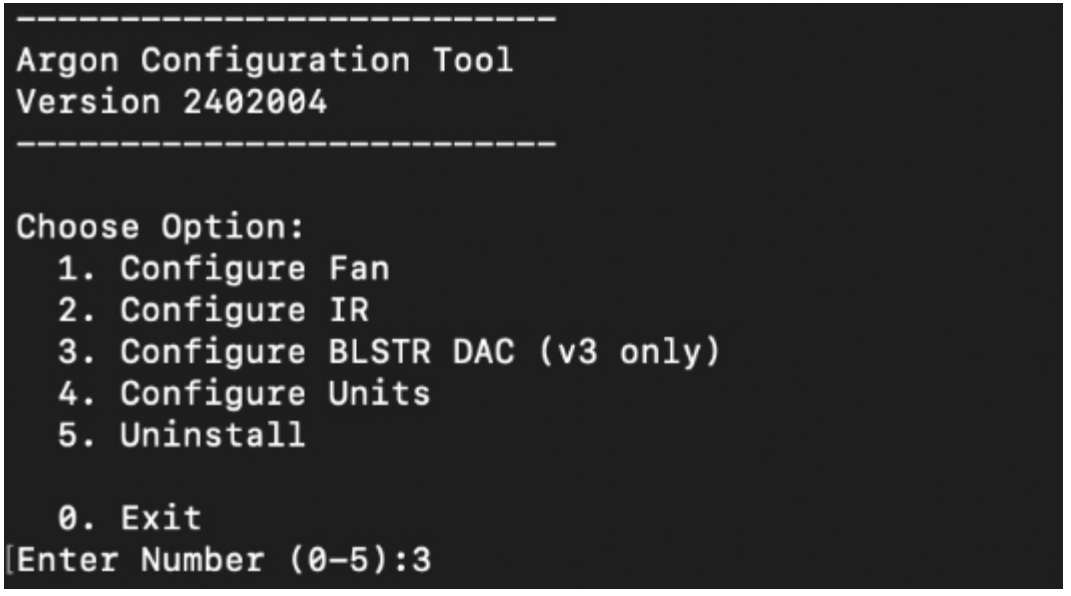
ARGON ONE V3 M.2 NVMe PCIE

CONFIGURING ARGON BLSTR DAC FOR THE RASPBERRY PI OS

1. Make sure you have installed the **Argon Configuration Script** into your by running in the **Terminal Shell**:

```
curl https://download.argon40.com/argon1.sh | bash
```

2. To enter the **Argon Configuration Tool** type **argon-config** in the Terminal Shell. Enter number 3 to install **Argon BLSTR DAC** Configuration.



3. Once installed you will be able to see this.

```
[Enter Number (0-5):3
-----------------------------------
 Argon BLSTER DAC Configuration Tool
-----------------------------------

Select option:
  1. Diable BLSTER DAC
  2. Cancel
[Enter Number (1-2):2
```

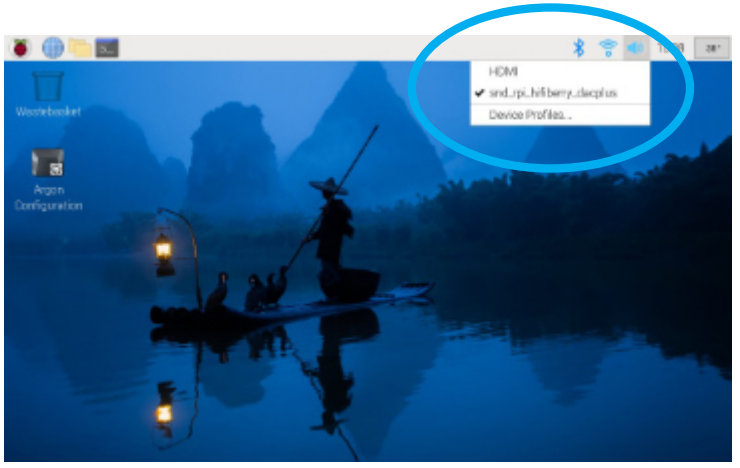
4. If you want to configure manually the **ARGON BLSTR DAC** just add the setting in the config file located at **/boot/firmware/config.txt**

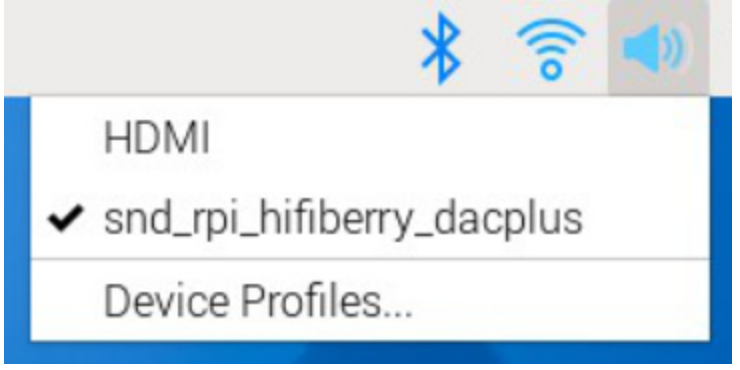
```
dtoverlay=hifiberry-dacplus,slave
```

5. Then **Reboot**.

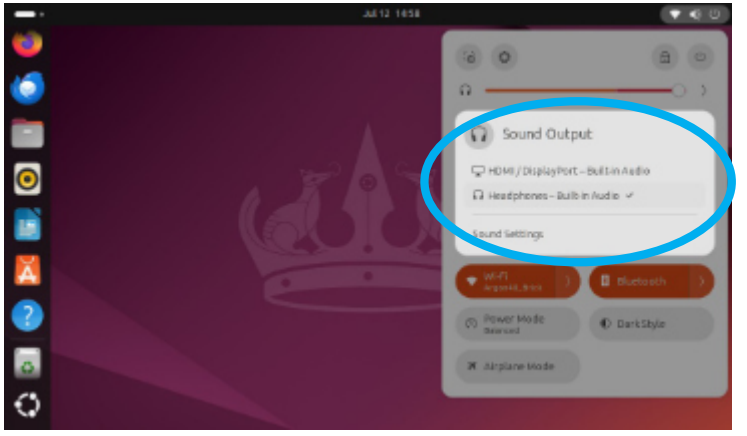
6. Select appropriate sound setting as shown below.

For **Raspberry Pi OS**





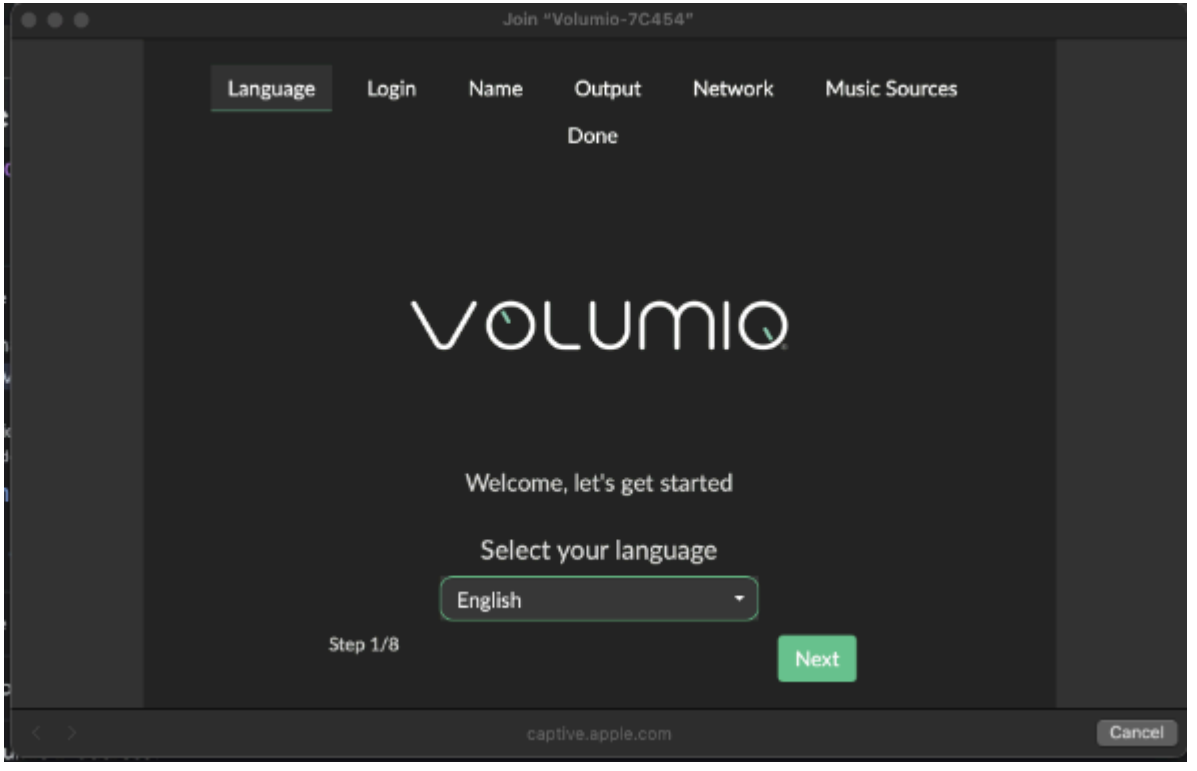
For **Ubuntu OS**



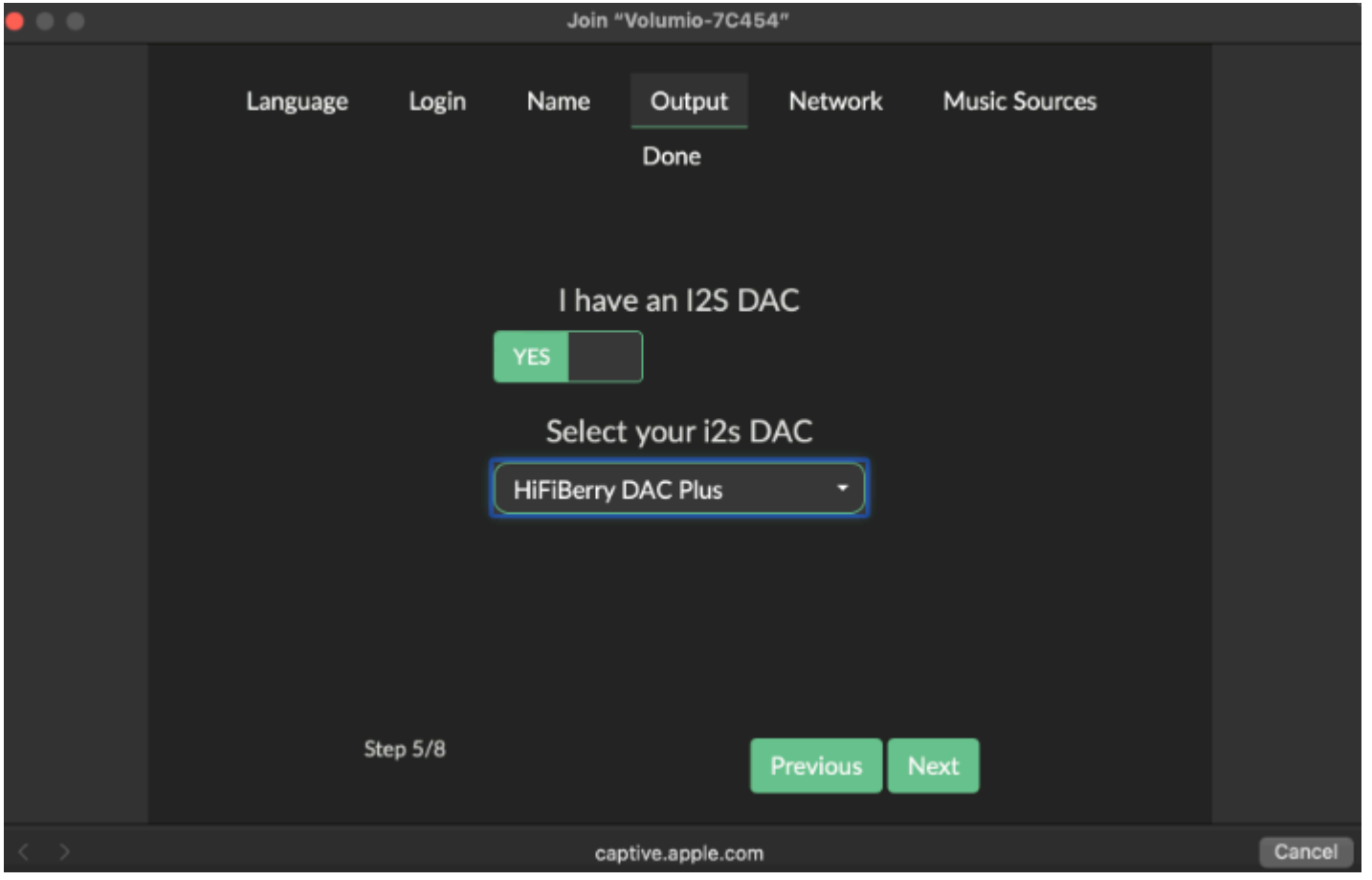
INSTALLING VOLUMIO WITH ARGON BLSTR DAC

1. Download the Volumio installer and follow steps in **https://volumio.com/get-started/**

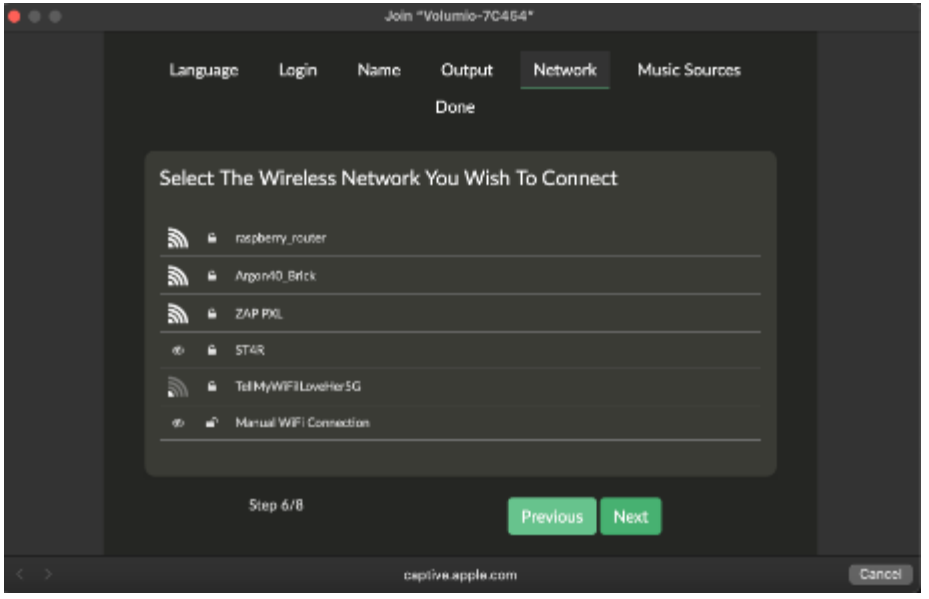
2. Configure your **Volumio Setup**.

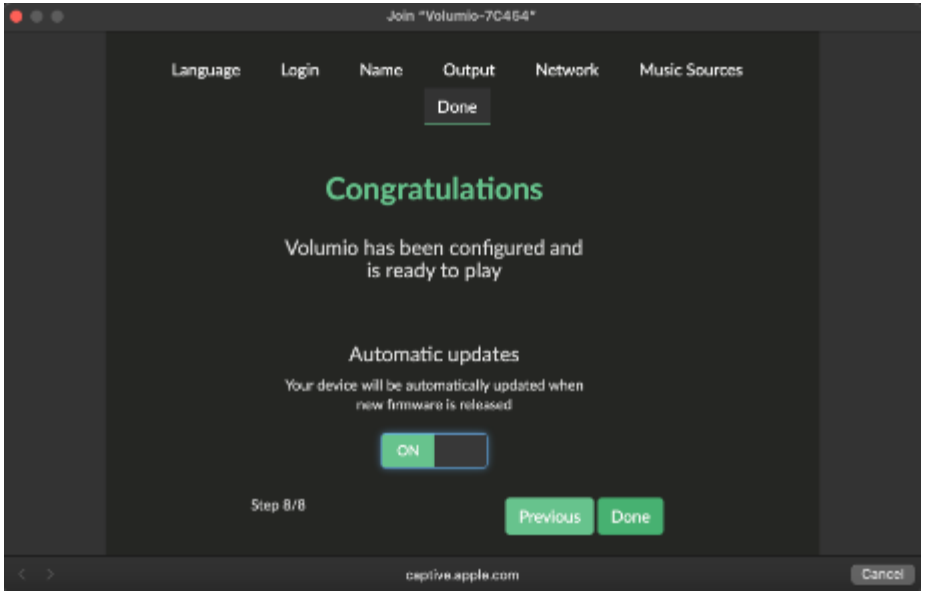


3. Select **I have i2s DAC** to **YES** and set **i2s DAC** to **HifiBerry DAC Plus.**

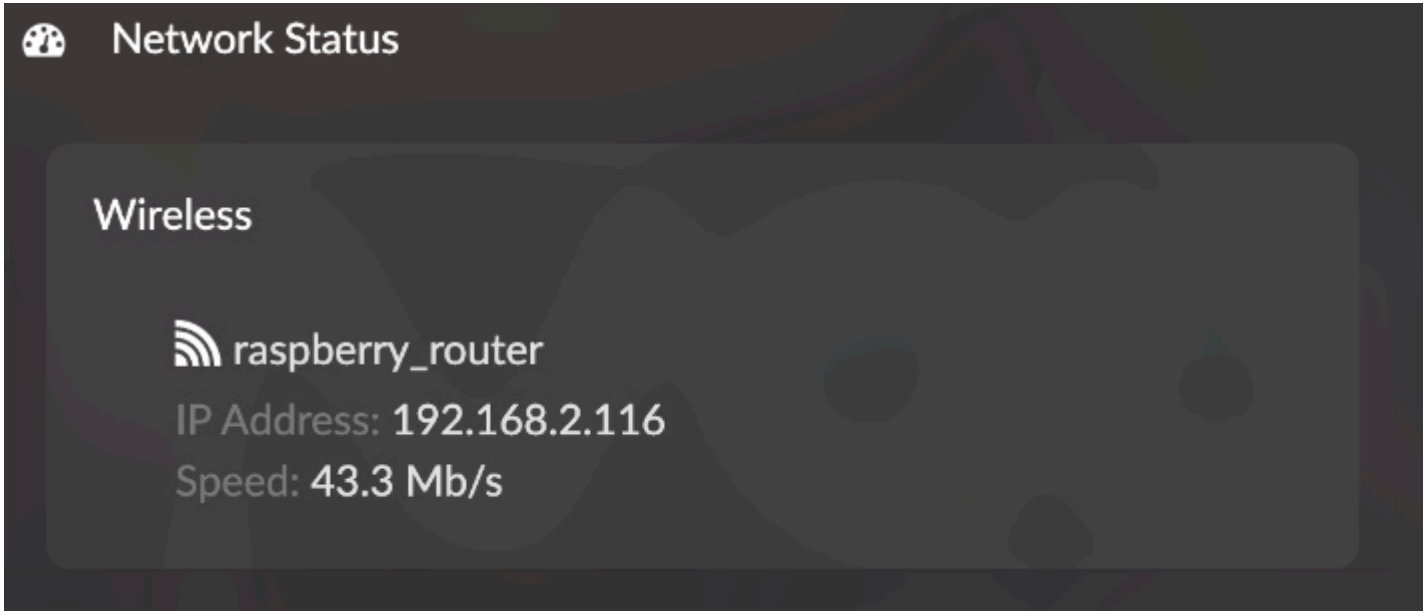


4. Set up your network.





5. Go to **Network Status** to determine **VOLUMIO's IP ADDRESS.**



5. **Enable SSH** in order to install the **ARGON SCRIPT** via **Terminal Shell**

Volumio Knowledge Base / GENERAL FAQ

How do I enable ssh connection?

SSH connection is exclusively dedicated for the developer's access to Volumio OS via command-line. It is disabled as default (recommended for security reasons). Enable it only if required, for remote support or for saving a log link.

TO ENABLE SSH:

Navigate to http://volumio.local/dev or http://yourvolumioip/dev, where 'yourvolumioip' is the actual IP address of your device eg. 192.168.1.54.

Find the SSH section, and click 'enable'. From now on your SSH will be permanently enabled. To disable SSH again, click 'disable'.

6. Install the **Argon Configuration Script** in the **Terminal Shell** by running the following commands:

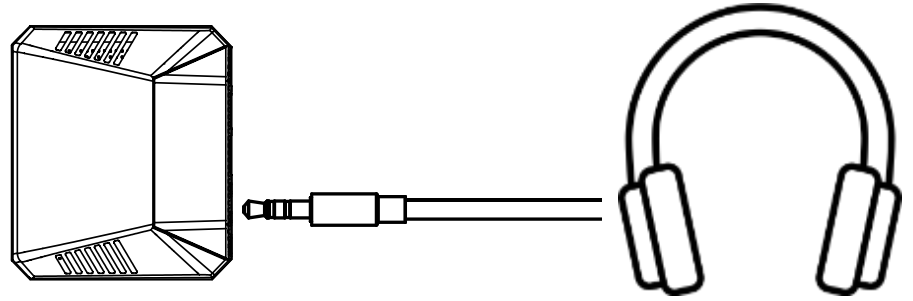
```
sudo apt update

sudo curl https://download.argon40.com/argon1.sh | bash
```

7. **Reboot.**

HOW TO CONNECT YOUR ARGON ONE V3 WITH ARGON BLSTR DAC

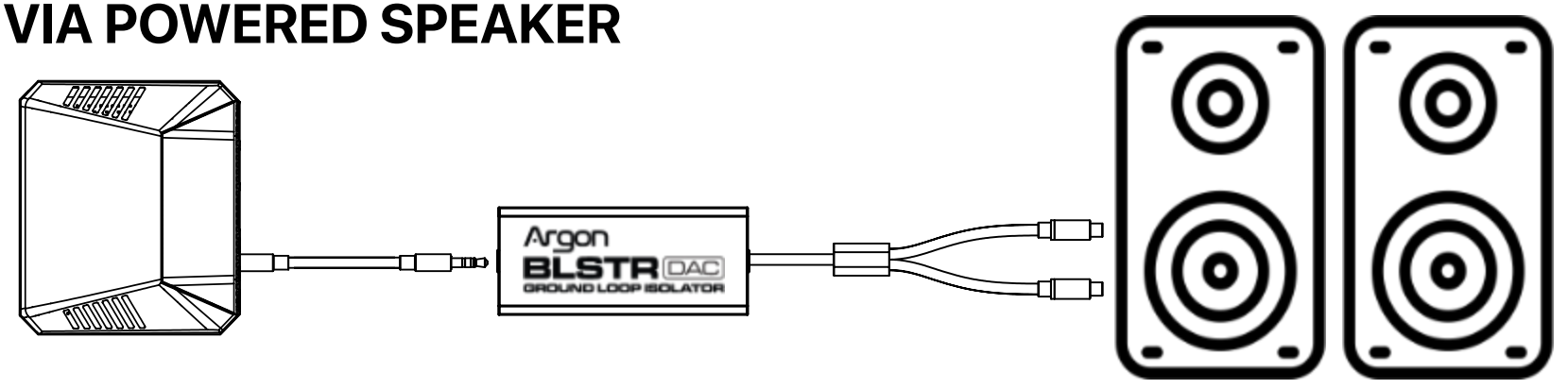
VIA HEADPHONES



Argon ONE V3
with BLSTR DAC

Headphones

VIA POWERED SPEAKER

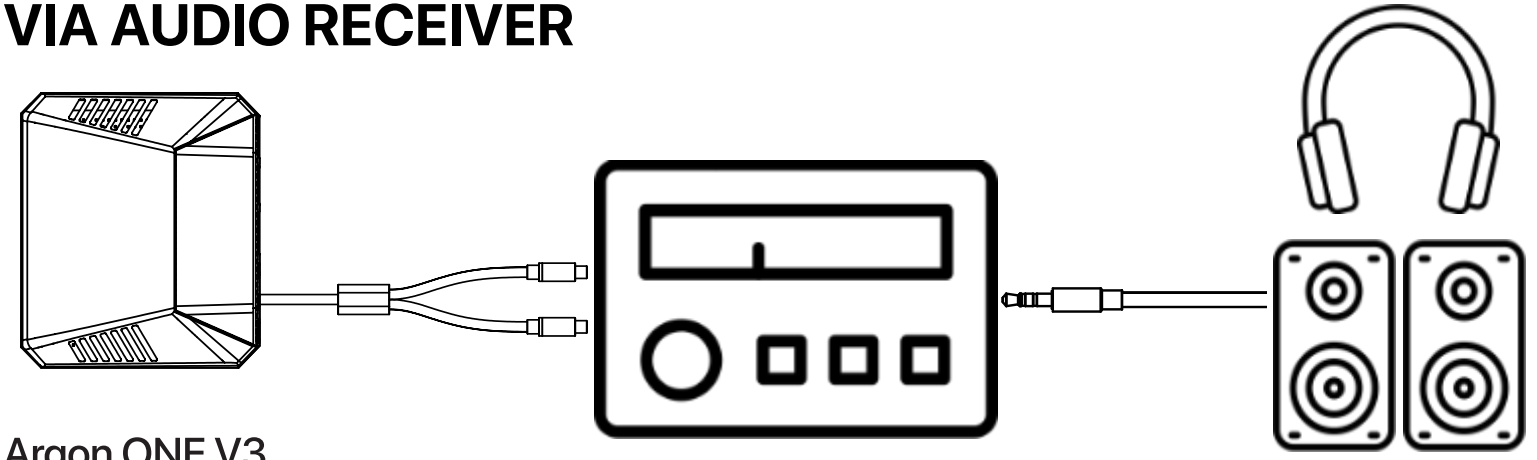


Argon ONE V3
with BLSTR DAC

Ground Loop Isolator unit

Powered Speakers

VIA AUDIO RECEIVER



Argon ONE V3
with BLSTR DAC

Audio Receiver with Amplifier

Headphones or Speakers

RECOMMENDED POWER SUPPLY

Argon PWR GaN USB-C PD 27W or
Official Raspberry Pi® 27W USB-C Power Supply

For more information please visit:

https://argon40.com/blogs/argon-resources