INDIGO Sky & ASIAIR Pro

Enabling the 5v Power Ports

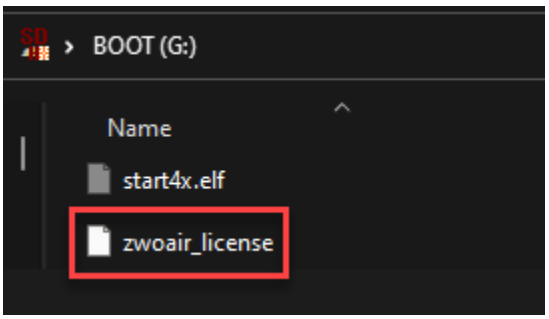
This is a walkthrough on setting up the power ports on your ASIAIR Pro. Written for Windows but can applied to Linux or OS X.

***PLEASE READ THROUGH ALL INSTRUCTIONS BEFORE STARTING**

What you need to get started

1. You will need a ZWO ASIAIR Pro and an extra 32GB Micro SD Card and SD Card Reader.

***NOTE:** If you are opting to use the Micro SD Card that came with your ASIAIR Pro make sure to back up your license file from the SD Card. Simply plug in your SD Card to a computer and copy out the **zwoair_license** located in the Boot Partition and save the file.

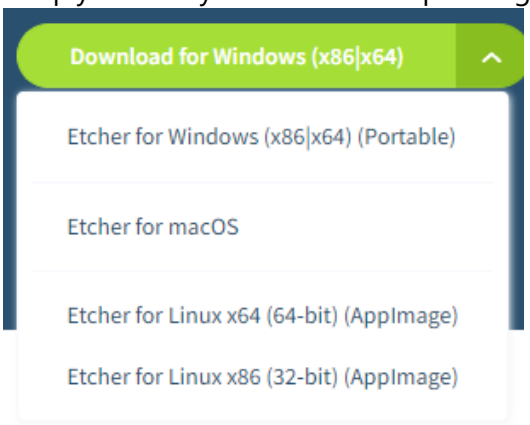


FYI: To restore your ASIAIR Pro follow these instructions

2. If you have not already, download the INDIGO Sky Stable Image https://www.indigo-astronomy.org/indigo-sky.html

Tip: You can use the 32bit or 64bit version. However, it's recommended to use 64bit so you can use all 4GB of RAM. The 32bit version will only use about 3.32GB of the 4GB.

3. Finally, you will need to download balenaEtcher https://www.balena.io/etcher/ Simply choose your version of Operating system and download it an install it



Installing INDIGO Sky

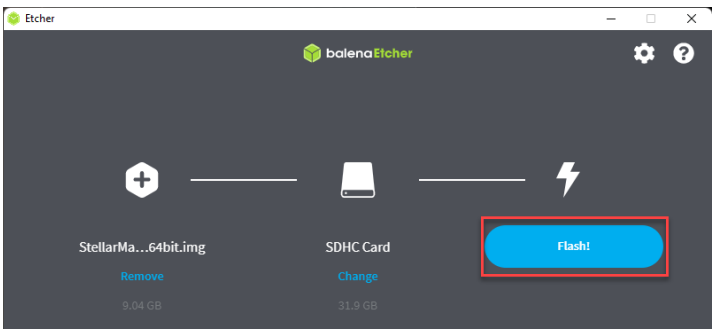
This section will walk you through installation of INDIGO Sky

1. Extract the zip file of INDIGO Sky

2. Insert your Micro SD card into your card reader and insert into your computer

3. Open balenaEtcher and click on **Flash from file** and choose the INDIGO Sky image file you extracted

4. Click **Select target** and choose your Micro SD card and then click **Flash**



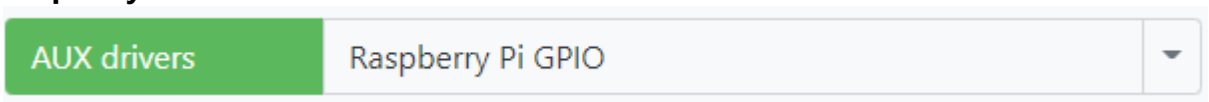
Enable ASIAIR Pro Power ports

This section will walk your through enabling the Power ports on the ASIAIR Pro very easily

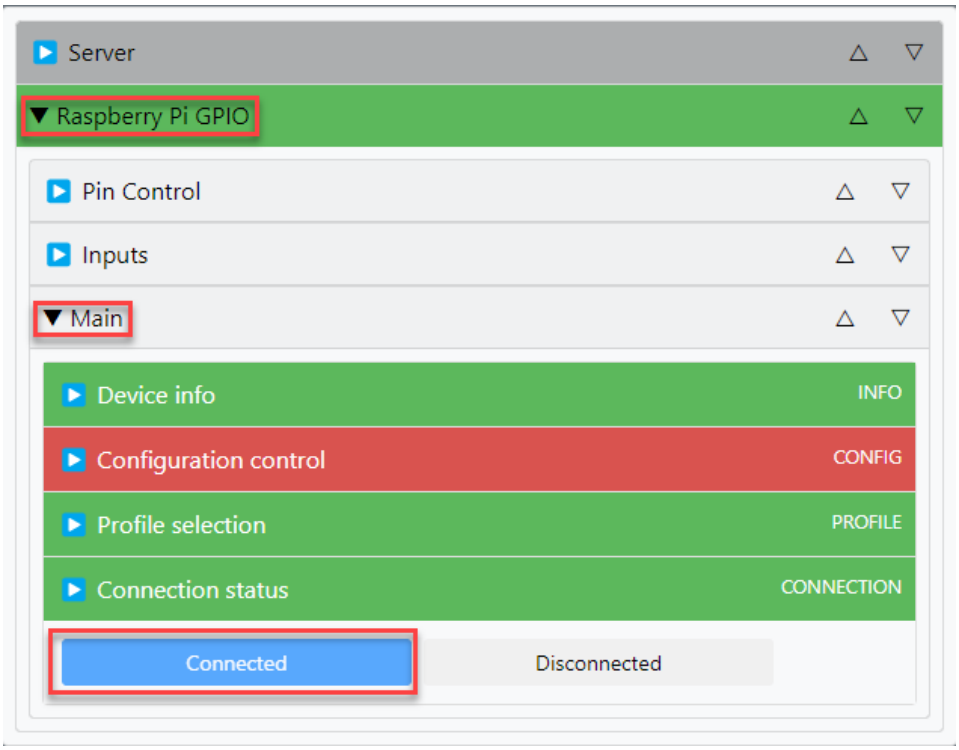
FYI: By default, port 1 on the ASIAIR current does not work this is an issue with INDIGO Sky

1. Once you connect to the indigosky Wi-Fi you need to then configure the power ports through the web portal which is normally http://192.168.235.1:7624

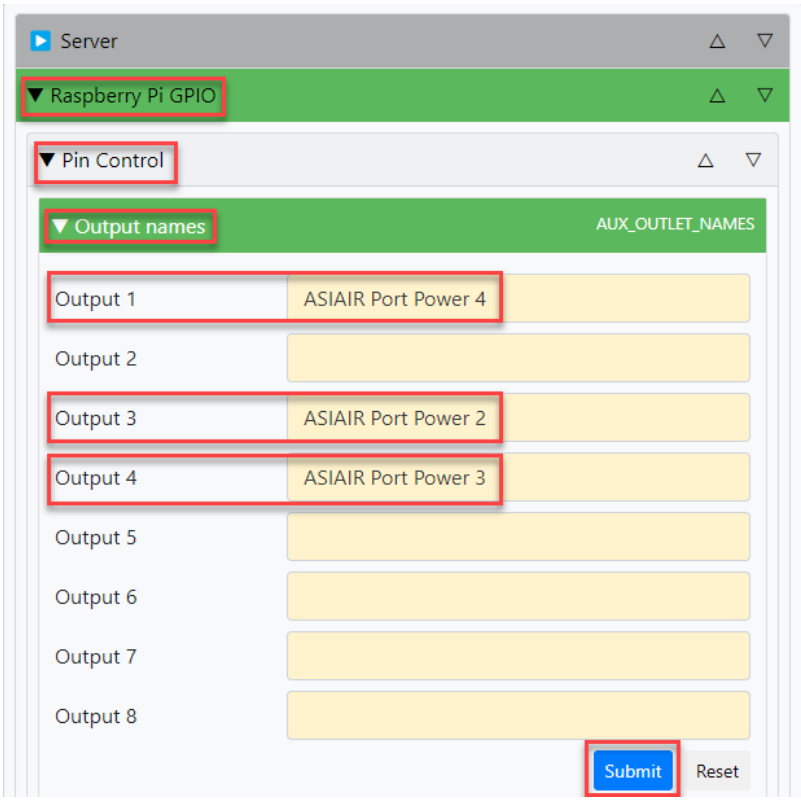
2. Once you connect to the portal you will want to go under AUX drivers an choose **Raspberry Pi GPIO**



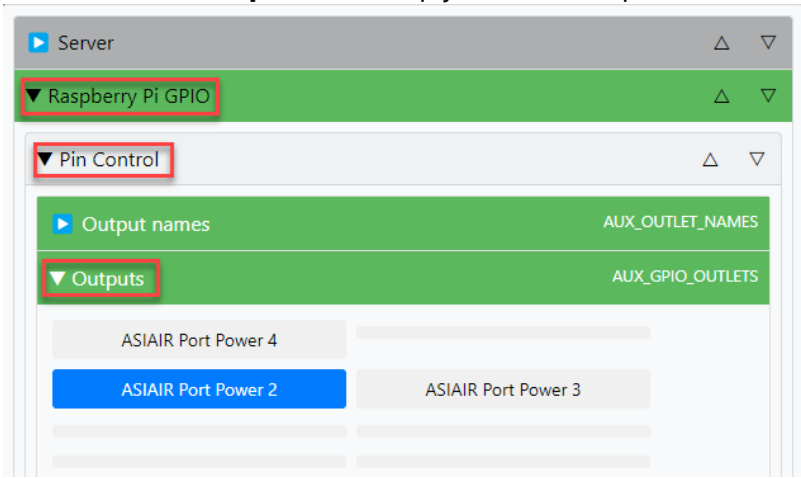
3. Next click on the control panel icon on the top of the screen  and then we will click on the down arrow for the **Raspberry Pi GPIO < Main < Connection Status** and then click on **Connected**



4. Once the GPIO is turned on we will need to name our Output Names this time lets choose **Raspberry Pi GPIO < Pin Control < Output names** and update the names as follows and then click **Submit**



5. Once we make the changes, we can turn on ports 2, 3 or 4 though **Raspberry Pi GPIO < Pin Control < Outputs** and simply click on the port we need activated



6. Every time we bootup we will need to turn on the **Raspberry Pi GPIO** and the power ports we want to use.