

StellarMate & 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 be applied to Linux or OS X.

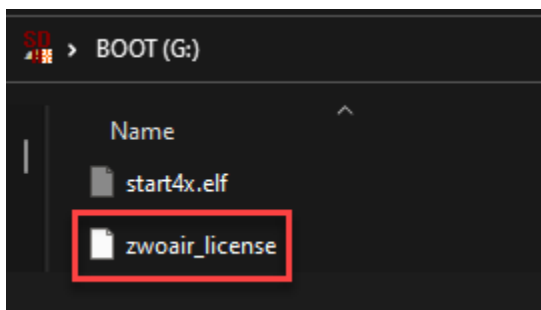
***PLEASE READ THROUGH ALL INSTRUCTIONS BEFORE STARTING**

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.

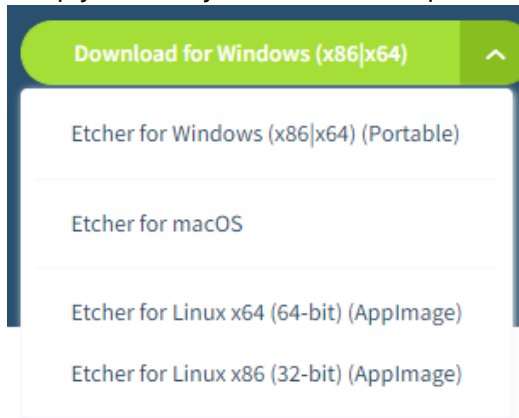


FYI: To restore your ASIAIR Pro follow these [instructions](#)

2. If you have not already, download the StellarMate OS. If you do not have the OS, you can purchase it from StellarMate website <https://www.stellarmate.com/products/stellarmate-os.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.

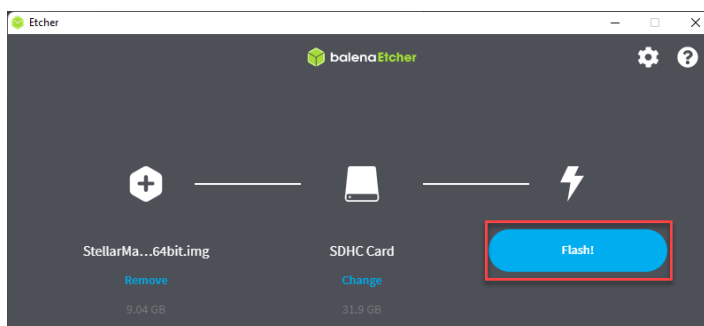
3. Finally, you will need to download balenaEtcher <https://www.balena.io/etcher/>
Simply choose your version of Operating system and download it and install it



Installing the StellarMate OS

This section will walk you through installation of the StellarMate OS

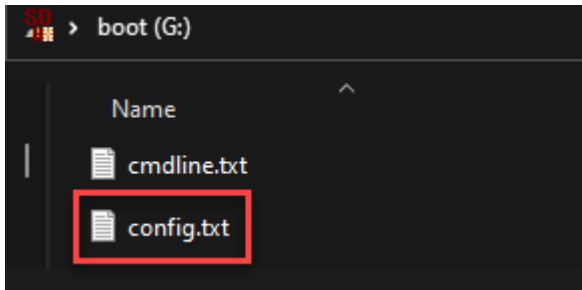
1. Insert your Micro SD card into your card reader and insert into your computer
2. Open balenaEtcher and click on **Flash from file** and choose the StellarMate OS file you downloaded
3. Click **Select target** and choose your Micro SD card and then click **Flash**



Enable ASIAIR Pro Power ports

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

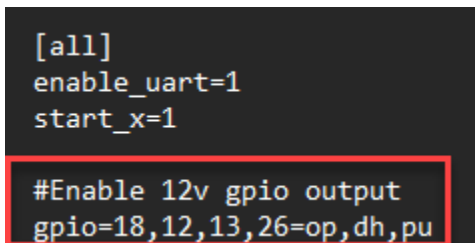
1. Once the balenaEtcher has completed the write to your Micro SD Card you will want to remove the card reader from your PC and then reinsert it back into your PC
2. Next open the boot drive and open the **config.txt** file in a text editor



3. Once you open the file press page down on your keyboard, so you are on the last line of the file and add the following text

```
#Enable 12v gpio output  
gpio=18,12,13,26=op,dh,pu
```

Example: Here is an example of the edit file with the lines at the bottom of the config.txt file



4. Once you have made the changes **save** the file and **exit** your editor. Then eject the Micro SD Card and then place the Micro SD Card into the ASIAIR Pro and boot the device.
5. Once StellarMate boots up all power ports will be active to use. More details on using the StellarMate OS and full documentation are online

<https://www.stellarmate.com/support/first-time-setup-sm-plus.html>