

Flashing Your SensorStation Compute Module

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Why flash my compute module?

While CTT offers many over-the-air updates to your CTT **SensorStation** sometimes you just need a fresh start, or maybe you haven't been incrementally updating the source code and want to do so after a full stable release. You've found the right place to learn how!

Flashing a compute module for a SensorStation

You can use your CTT **SensorStation** to burn a new operating system onto the compute module using a micro USB cable attached to your computer. Here is an article on raspbian's website with general instructions: [Flashing the Compute Module eMMC](#). This page will summarize the steps needed to burn a New CTT SensorStation image to your compute module using the SensorStation hardware.

SensorStation Image Downloads

V1 Station Image - compatible with V2 hardware [Download Station Image \(1.3 GB\)](#)

Software Requirements

You will need drivers for your computer to recognize the module as a new drive, and software to burn new images to disk.

Windows Drivers

- Drivers - Download and run the Windows Installer

Linux / Mac

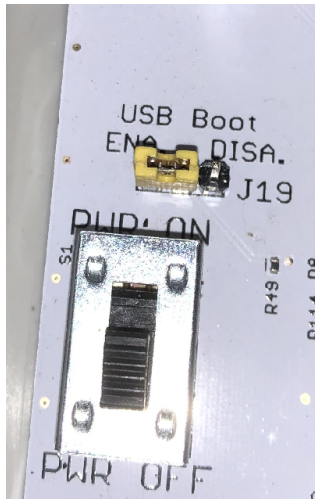
- Linux / MAC users will have to clone the rpiboot source code, compile and run the rpiboot.exe file that is generated. Detailed instructions [here](#).

All Users

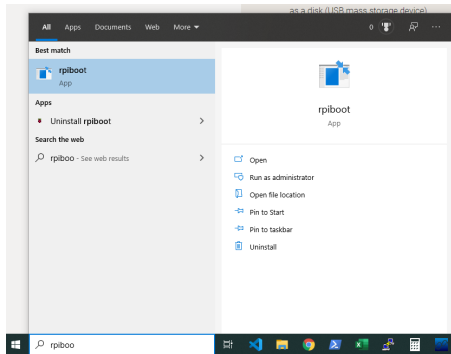
- All users require software to burn an image such as Raspberry Pi Imager or balenaEtcher

Steps to Burn a New Image

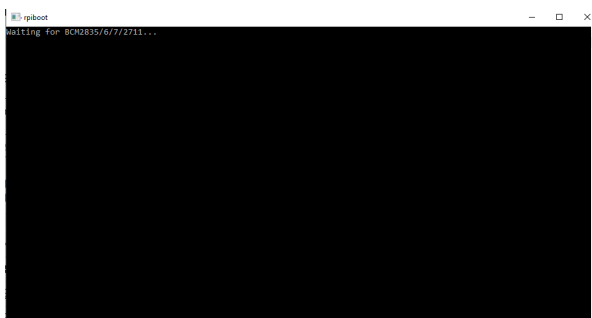
1. Ensure the SensorStation has no power
2. Move the USB Boot Jumper Pin to the enabled position (to the left 1 pin).



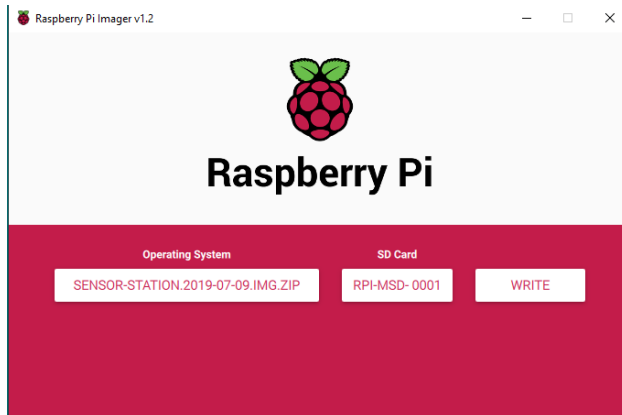
3. Run `rpiboot.exe` which was installed from the previous step. From windows, you can search `rpiboot` to find it.



4. Running `rpiboot` will pop up a console showing a wait message waiting for the module to be detected:



5. Plug the micro-USB cable into the SensorStation, and into your computer.
6. Power on the SensorStation.
7. The dialog box from `rpiboot` should disappear after displaying some messages and the module will be available as a new hard drive. (**Do not auto-fix as windows may suggest!**)
8. Run Raspberry Pi Imager



- Select the SensorStation image file on the left.
- Select the Compute Module for the target (middle). **example:** RPi-MSGD- 0001 - 7.8 GB
- Flash the image by clicking on the **WRITE** button.