

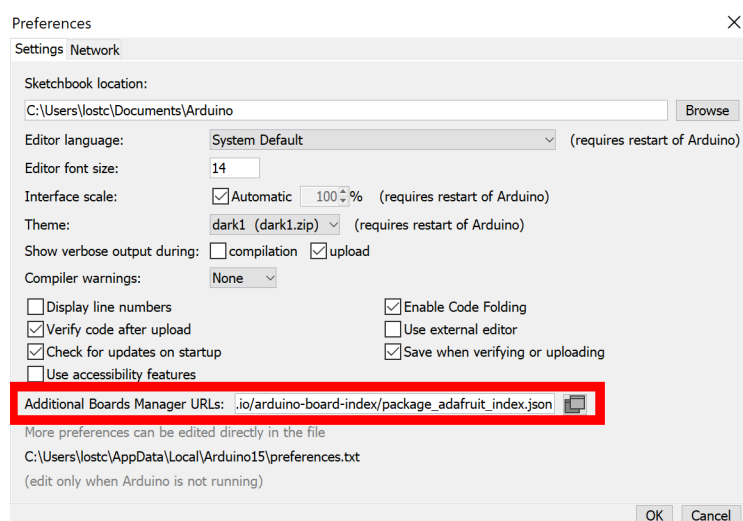
PedalBrainz Update Instructions for Windows

Step 1: Installing Drivers and Arduino, Setting up Board and Port

- 1) Install the latest Adafruit Drivers:
https://github.com/adafruit/Adafruit_Windows_Drivers/releases
- 2) Install Arduino software for Windows: <https://www.arduino.cc/en/software>
- 3) Open Arduino
- 4) Click on File Menu at the top of the screen and select "Preferences"
- 5) Next to the "Additional Boards Manager URLs," copy and paste the URL below into the text box and then click "OK":

COPY this URL:

https://adafruit.github.io/arduino-board-index/package_adafruit_index.json



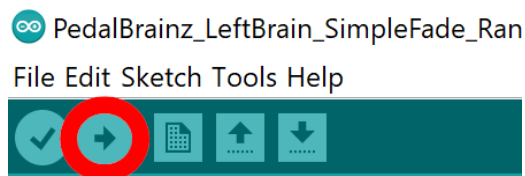
- 6) Go to "Tools" "Board" "Boards Manager"
- 7) In Boards Manager, type "Adafruit SAMD" in the search bar; next, "Adafruit SAMD Boards" will appear in the results
- 8) Select the latest version of Adafruit SAMD Boards and click on "Install" button
(Note: Installation may take from 3- 5 minutes)
- 9) When installation is complete, close Boards Manager
- 10) Go to "Tools" "Board" "Adafruit SAMD Boards" and select "Adafruit Gemma M0"
- 11) Connect the PedalBrainz to your computer via USB (the lights should flash on the unit)
- 12) Go to "Tools" "Port" choose the selection that has "Adafruit Gemma M0" next to the name

Step 2: Downloading and Installing Libraries

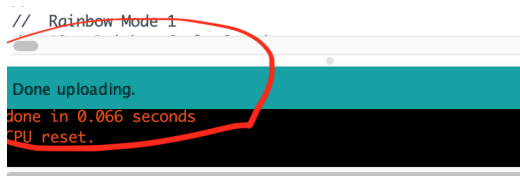
- 1) Pedal Brainz also uses three libraries that need to be installed in Arduino using the Library Manager:
 - a. **Adafruit DotStar**
 - b. **FlashStorage_SAMD**
 - c. **MultiMap**
- 2) Click on “Tools” “Manage Libraries”
- 3) In the Library Manager, type “Adafruit DotStar” in the search bar, then install “**Adafruit DotStar**” file by clicking on “Install” button and wait until installation is complete
- 4) Staying in the Library Manager, next, type “Flashstorage SAMD” in the search bar, then install “**FlashStorage_SAMD**” file by clicking on the “Install” button; wait until installation is complete
- 5) Staying in the Library Manager, next, type “MulitiMap” in the search bar, then install “**MulitMap**” file by clicking on the “Install” button; wait until installation is complete
- 6) After both these library files are installed, close the Library Manager

Step 3: Downloading PedalBrainz Files/ Uploading to Unit

- 1) Download the PedalBrainz Software
- 2) After download is complete, right-click on files “Open With” “Arduino”
- 3) A windows for the file will pop up in Arduino
- 4) Click on the Upload Button (the arrow icon pointing right) to upload the software to PedalBrainz



- 5) Once upload is complete, there will be text at the bottom stating “Done uploading.”



- 6) After the “Done Uploading” message appears, you can now disconnect the USB cable from PedalBrainz, and you’re now ready to use the unit!