

Get Started with Arduino!

1. Install the Arduino Driver (Outside of the Arduino IDE)

- Go to where you downloaded the files and extract "ch341ser(v34).zip"
- Open the extracted folder, open CH341SER, open DRVSETUP64, and double click **DRVSETUP64.EXE** (If that doesn't work, try SETUP.EXE in the previous folder)
- If it says that there's no information available, click ok
- Click **Install**
 - i. **NOTE:** if the serial port does not show up in device manager properly then try installing using device manager and pointing to the CH341SER directory.

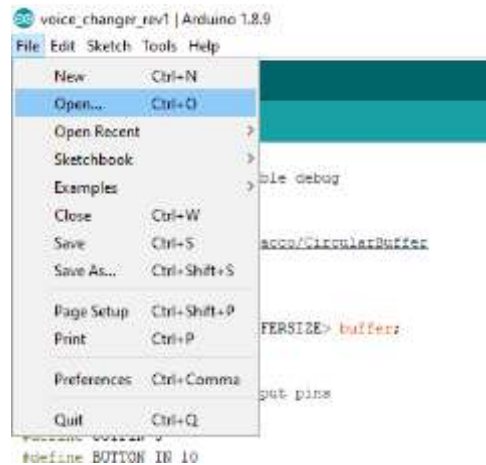
2. Download the Arduino IDE (Integrated development environment)

- Head to <https://www.arduino.cc/>
- Hover over the "Software" tab and click "Downloads"
- Install the Windows or Mac version as needed



3. Open your Arduino Project (Here you can also modify the code)

- In the top left, click **File**, then click **Open**.
- Go to where you downloaded the files and double click "voice_changer_rev1"



4. Include the Library (Extra Code Helper Files)

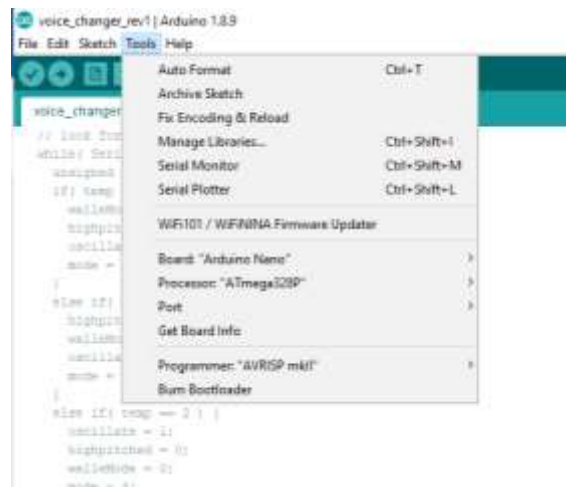
- In the top left, click **Sketch**, then click **Include Library**, then click **Add .ZIP Library**.
- Go to where you downloaded the files and double click "CircularBuffer-master.zip"



CircularBuffer-master.zip

5. Setup the Device for Flashing Code

- In the top left, click **Tools**, then hover over **Board**, then click **Arduino Nano**
- In the top left, click **Tools**, then hover over **Processor**, then click **ATmega328P**
 - i. **NOTE:** if you have issues programming the board later on trying changing this to "ATmega328P (Old Bootloader)"
- In the top left, click **Tools**, then hover over **Processor**, then click the correct **COM Port**
 - i. To find out which one is correct, plug/unplug the device into the computer and see what COM port appears or disappears



6. Upload Code to the Arduino

- Once you're ready to upload your code, click the Upload button on the top left

