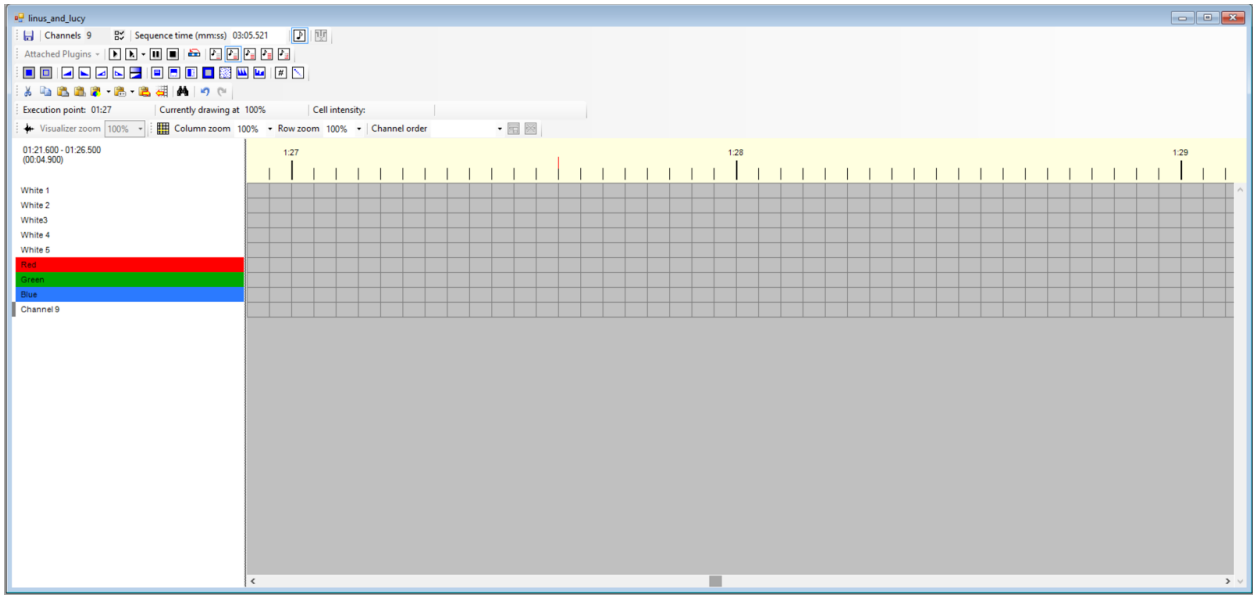
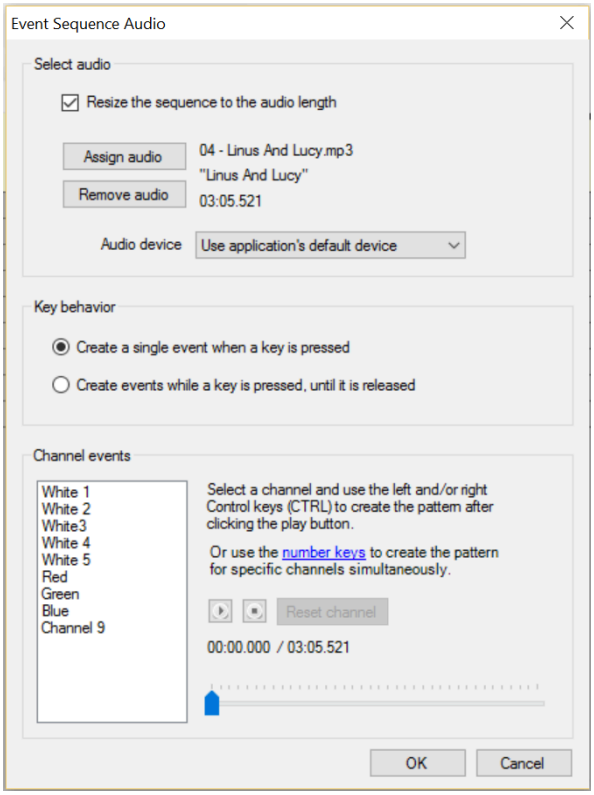
Sequencing Songs

- Sequencing songs takes a while and if you'd like new songs, plan on about 2 weeks of full work for one song
    - Download this version of Vixen
        i. http://www.vixenlights.com/downloads/vixen-2-downloads/
    - In order for the converter to work properly you'll need the TestProfile14.pro added to the profiles folder in Vixex
    - After adding the profile to the proper folder, double-click the Vixen.exe to open
    - Sequence > New Sequence > Vixen Standard Sequence
    - Click Next
    - Set the milliseconds to 50, Click Next
    - Select Profile from the drop-down: TestProfile14, Click Next
    - Assign Audio / Define Event Patters, Click Next
    - Click Create It
    - **Note:** The colors of the lights might not match the way that you are planning to light the tree. If that is the case, you can update/create a new profile by:
        - Profiles > Manage > Select Edit/Add > Channel Order > Adjust it > Save by clicking on the icon right next to the drop down.raspberry
    - Sequencing takes the longest time. There are 9 channels in the profile. 1-5 are the white channels with 5 being on bottom and 1 being on top. 6-Blue 7-Green/Red 8-Green/Red. The 9th channel is not a strand of lights that are used, but rather a channel that will assist you in finding the beat.
    - If setup correctly, vixen should look like this:
    - At this point you will need to assign the audio. This is done by clicking on the little musical note to the right of the sequence time



- A dialogue will pop up that looks like this:

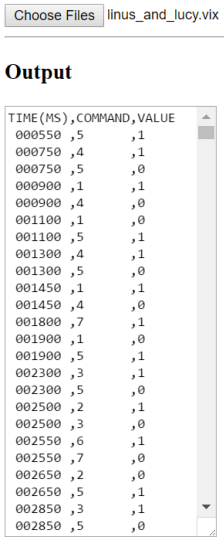


- Click the assign audio button then click OK

- At this point you're ready to begin sequencing. A number of buttons are important to understand to assist you in the sequencing:

- From left to right:
  - Play the song from the beginning
  - Play the song starting from the highlighted portion in the sequence
  - Pause the song
  - Stop the song
  - Loop the selected portion of the song
  - Play at ¼ speed
  - Play at ½ speed
  - Play at ¾ speed
  - Play at full speed
  - Custom playback speed
- Use these as necessary to get the timing right with the lights
- Once sequencing is done, you'll need to remove the audio file from the assigned audio section.
  - Click on the music note to bring up the dialogue
  - Click on the button "Remove Audio"
  - Click "OK"
- Open the converter, (I've found that chrome works best) and click on the "Choose Files" button

- Select the .vix file of the song that you sequenced
- Once the file is selected if everything is done right it should look like this:



  - If it doesn't output like this, double check that the profile has been set and the audio has been removed
- Copy this output, titles included, into a txt file and then save it as song_name.txt
  - We've tried to keep the txt files lowercase and the audio files uppercase
- Transfer the .txt file to the pi and you're ready to rock and roll