Update the Harp Sound Card's firmware

Version 1.1

Install necessary software

To upload a new firmware, the Harp Sound Card dedicated the **Convert to CSV** is necessary. Below are the necessary links for the installation.

Note: It's recommended to use a computer without National Instruments software previously installed (NI-DAQs, for example).
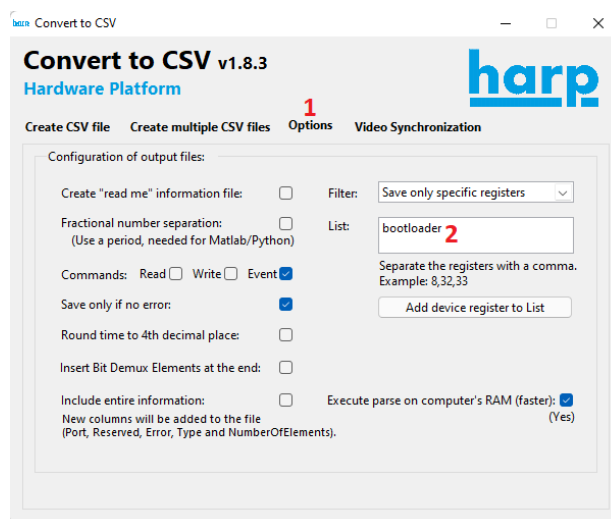
Download the runtime, install it, and reboot the computer.

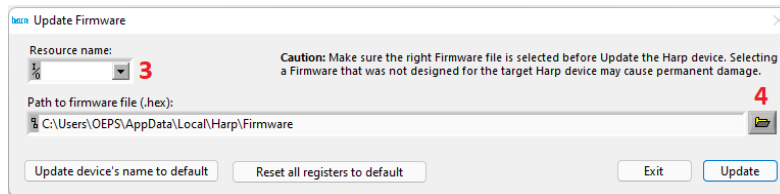Download **Convert to CSV** and install it:

Update sound card firmware

You would need two .hex files to update the Harp Sound Card because the device has two microcontrollers. One file (with the prefix **SoundCard**) will be used for the interface controller and the other (with prefix **SoundCard.PIC32**) for the sound generator.

Open **Convert to CSV**, go to **Options (1)** tab and write the word **bootloader (2)** in the **List:**

Select the Harp Sound Card's COM port in the **Resource name:** dropdown menu **(3)** and select the interface controller .hex file (the one with prefix SoundCard) **(4)**.

Click **Update**.

You will be prompted to select the .hex file for the sound generator. Select the file with the prefix **SoundCard.PIC32**.

The firmware update of both microcontrollers will start after you select the second file.

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