Streaming **wav** files from the SDC to a DAC

Step 1) Format an SDC with FAT16

Step 2) Run the **SDCFile** project, main programs main1, main2, main3, and then main4 to test the connections to the SDC and TFT (LCD). Do not run main0, it will erase (remove the formatting).

Step 3) Find a **.wav** file and use the Octave script **WCbin.m** to convert the **.wav** to binary **.bin**. I have not tested DAC precisions above 8 bits. However, you can use it to create 4-bit, 5-bit, 6-bit, 7-bit, or 8-bit sounds. This script will create raw binary file, with one byte per sample. Record the number of bytes in your **.bin** file. Copy the **.bin** file onto the SDC.

Step 4) The following program streamed 8-bit binary to the internal 12-bit DAC at 11.025kHz. Edit main5 replacing the 1004563 size with the size of your sound file. Replace **Swift.bin** with the name of your sound file. 8-bit data are read from disk 512 bytes at a time.

Step 5) Run main5