Audio Recording

- Need a number of buffers that can be used to transfer audio from the audio thread to the file writing thread

- Stored in lock-free queue

- Multiple inputs reserve a buffer for the current block, write their samples to it and pass it to the thread to write to disk

- Problems:

- Running out of pre-allocated blocks e.g. disk writes can't keep up with audio input rate

- Changing buffer sizes

- Changing channel numbers

- Failed file writes

- Running out of disk space?!

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