IT IS IMPOSSIBLE TO GET CLIPPING CHECKBOXES FROM TAG INFORMATION ALONE!!!!!

Need to add a button for Read clipping which goes folder by folder and gets max samples using mp3gain,

**frmMain.frm LINE 1600 shows MP3GAIN command line argument doing song by song**

TYPICAL OUTPUT

Recommended "Track" dB change: 6.325000

Recommended "Track" mp3 gain change: 4

Max PCM sample at current gain: 13763.149824

Max mp3 global gain field: 174

Min mp3 global gain field: 125

Recommended "Album" dB change: 0.005000

Recommended "Album" mp3 gain change: 0

Max Album PCM sample at current gain: 34742.009856

Max Album mp3 global gain field: 183

Min Album mp3 global gain field: 122

/o adds tabs delimited output with header on line 1

File MP3 gain dB gain Max Amplitude Max global\_gain Min global\_gain Album gain Album dB gain Album Max Amplitude Album Max global\_gain Album Min global\_gain

W:\Soulseek Downloads\complete\\_\_FLAC - Copy\SNATCHER (Sega CD) (2017) (FLAC)\\_\_11 - Konami Kukeiha Club - Bio Hazard.mp3 3 4.035000 15303.114752 180 125 0 0.005000 34742.009856 183 122

Call .\mp3gain /s c “album folder\\*.\*” to get

Max PCM sample at current gain

And

Max Album PCM sample at current gain

**FROM Mp3Info.cls LINE 173 shows calculating MaxGain Value**

MaxGain = 4 \* LOG(2, 32767 / max sample) 🡨 this is probably more complicated, lots of magic numbers in the source code

Max Gain (can be negative) < suggest gain then clipping at album or track depending on type of gain

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Clipping is correct

Track clipping is correct

Album clipping is not. Has to do with converting a number back to data counts and comparing to actual 2^16-1

Found CPP version of code that should be easier to read to figure out the math for album clipping checkbox as well as check if other functions are correct

Put in Original MP3 Gain with C++ version of code folder