Sample presets file structure

10.03.2021

Pad structure [192]:

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0	ENB	COL	TYPE	Q	S	TRIG	BPM		G	ST	ST	ST	AL	AL	AL	AL
16																
32	Sample name. Max 64 symbols.															
48																
64																
80																
96	Waveform data [100] or sequencer[64] + number of squares[1]															
112																
128																
144																
160																
176	0 0 0 0 0 0 0 0 0 0 0									0						

ENB – enable pad. 0 – none, 135 – enable.

COL – color pad. 0 – pink, 1 – red, 2 – orange, 3 – yellow, 4 – green, 5 – aqua, 6 – blue, 7 – purple. 0xFF – none.

TYPE – type pad. 0 – sample, 1 – sequencer.

Q – quantize. 0 – none, 1 – enable.

S – sync only BPM sample to master track.

TRIG – trigger. 0 – one shot, 1 – loop.

BPM – original sample's BPM. (BPM*10).

G - GAIN in -dB. (-dB*10).

ST – start position in audio frames (3 bytes).

AL - total long track in audio frames (4 bytes). (IS NOT LONG DATA IN FILE. IT IS DATA IN SDRAM)

Waveform data: MSB bit – color, 4 LSB bits – amplitude.

Sequencer: byte==0 – none, byte==1 – start sample. Number of squares byte==0 (1 square). byte==3 (4 square (max)).

Preset structure [1584]:

Max. 64 presets.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0	ENB	ICON	RAT	RCOL	0	0	0	0	0	0	0	0	0	0	0	0
16	Preset name. Max 32 symbols.															
32																
48																
	PAD 0[192]															

224	
240	
	PAD 1[192]
416	
432	
	PAD 2[192]
608	
624	
	PAD 3[192]
800	
816	
	PAD 4[192]
992	
1008	
	PAD 5[192]
1184	
1200	
	PAD 6[192]
1376	
1392	
	PAD 7[192]
1568	

ENB – enable preset. ENB==117 – preset enable.

ICON – type preset icon

RAT – rating 0...5

RCOL – rating color 0...7 and 0xFF - default

Path: 0:/SAMPLER/ Presets.pst

File name: Presets.pst

Sample presets file structure[48+TPRS*1584]

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0	TPRS	0	0	0	0	0	0	0	0	0	0	0	CPR	BL	BP	M
16	FLO	FL1	FL2	FL3	FL4	FL5	FL6	FL7	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48																
							PR	ESET 0[1584]							
1632																
	PRESET 1[1584]]															
3216																
	PRESET 2[1584]															
4784																
4800																
							PR	ESET 3[1584]							
6384																
	PRESET 4[1584]															
7968																

	PRESET 5[1584]
9552	PRESET 6[1584]
11136	PRESET 7[1584]
12720	PRESET 8[1584]
14304	PRESET 9[1584]
15888	PRESET 10[1584]
48+ N*1584	PRESET N[1584]

TPRS – total presets.

FLO- FL7 – fast loading of a preset via a pad. 0xFF – none preset.

BPM – internal bpm for work without synchronization signal.

BL – backlight level.

CPR – current preset number for auto start. 0...63. 0xFF-not auto loading