Spitfire's UACC

CC 32 (Sub Bank)

KeySwitch & Expression Map
for Ableton Live

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Values in Ableton Live

#	Long	#	Legato	#	Short	#	Decorative	#	Phrases	#	Various
2	**Generic**	21	**Generic**	41	**Generic**	71	**Trill (minor2nd)**	91	**FX 1**	111	**Disco up (rips)**
3	**Alternative**	22	**Alternative**	42	**Alternative**	72	**Trill (major 2nd)**	92	**FX 2**	112	**Disco down (falls)**
4	**Octave**	23	**Octave**	43	**Very short (spic)**	73	**Trill (minor 3rd)**	93	**FX 3**	113	**Single string (Sul C/G/etc.)**
5	**Octave muted**	24	**Octave muted**	44	**Very short (soft)**	74	**Trill (major 3rd)**	94	**FX 4**		
6	**Small (1/2)**	25	**Small**	45	**Leisurely (stac)**	75	**Trill (perfect 4th)**	95	**FX 5**		
7	**Small muted**	26	**Small muted**	46	**Octave**	76	**Multitongue**	96	**FX 6**		
8	**Muted**	27	**Muted**	47	**Octave muted**	77	**Multitongue muted**	97	**FX 7**		
9	**Soft (flaut/hollow)**	28	**Soft**	48	**Muted**	81	**Synced - 120bpm (trem/trill)**	98	**FX 8**		
10	**Hard (cuivre/overblow)**	29	**Hard**	49	**Soft (brush/feather)**	82	**Synced - 150bpm (trem/trill)**	99	**FX 9**		
11	**Harmonic**	30	**Harmonic**	50	**Hard (dig)**	83	**Synced - 180bpm (trem/trill)**	100	**FX 10**		
12	**Temolo/flutter**	31	**Tremolo**	51	**Tenuto**			101	**Up (rips/runs)**		
13	**Tremolo muted**	32	**Slow (port/gliss)**	52	**Tenuto Soft**			102	**Downs (falls/runs)**		
14	**Tremolo soft/low**	33	**Fast**	53	**Marcato**			103	**Crescendo**		
15	**Tremolo hard/high**	34	**Run**	54	**Marcato Soft**			104	**Decrescendo**		
16	**Tremolo muted low**	35	**Detache**	55	**Marcato Hard**			105	**Arc**		
17	**Vibrato (molto vib)**	36	**Higher**	56	**Marcato Long**			106	**Slides**		
18	**Higher (sul tasto/bells up)**	37	**Lower**	57	**Plucked (pizz)**						
19	**Lower (sul pont)**			58	**Plucked hard (bartok)**						
20	**Lower muted**			59	**Struck (col legno)**						
				60	**Higher**						
				61	**Lower**						
				62	**Harmonic**						

Note: *Spitfire and Ableton display the value of CC 32 (Sub) differently. Ableton shows 1-128, but sends out 0-127. Why? Technically the range of MIDI is always 0-127, but since a lot of hardware producers display their programs or presets from 1 to 128, many software developers decided to make it easier for the users and display 1-128 as well. So Spitfire is right and Ableton also has its reasons ;-) The KSEM follows Ableton to avoid further confusion. Therefore you have to add +1 to the value shown in the player.*