Vienna Symphonic Library
SYNCHRON-ized Woodwinds

incl. Expansion Pack, Solo & Ensembles a3

Articulation Map

Instrument columns (left to right): Piccolo, Flute 1, Flute 2, Alto Flute, Bass Flute, Flute Ensemble, Oboe 1 FR, Oboe 2 AU, English Horns, Oboe d'amore, Heckelphone, Oboe Ensemble, Clarinet Bb 1, Clarinet Bb 2, Bass Clarinet, Clarinet Eb, Basset Horn, Contrabass Clarinet, Clarinet Ensemble, Bassoon 1, Bassoon 2, Contrabassoon, Bassoon Ensemble

#	Articulation	Annotations
1	Leg	Piccolo: + Prog
2	Leg Fast	
3	Leg Marc	
4	Leg Special	Alto Flute: Grace; Clarinet Bb 1: Gliss; Clarinet Eb: Grace
5	Sus	Piccolo: + Prog; Alto Flute: + Prog
6	Sus Marc	Piccolo: + Progr; Alto Flute: + Prog; Basset Horn: + Soft
7	Sus Sfz	
8	Sus SfZz	
9	Sus Fp	
10	Dyn Light	
11	Dyn Med	
12	Dyn Strong	
13	Dyn Swells pFp	
14	Dyn Swells FpF	
15	Portato Long	
16	Portato Med	
17	Portato Short	
18	Stac	
19	Flutter	
20	Flutter Marc	
21	Flutter Cres	
22	Trills	
23	Rep Leg	
24	Rep Portato	
25	Rep Stac	
26	Rep Fast	
27	Runs	
28	Arp Leg	
29	Arp Stac	
30	Mord Leg	
31	Mord Stac	
28	FX Cluster	
29	FX Cluster Sfz	
32	FX Tng Ram Stac	
28	FX Slap	
29	FX Flap	
30	FX Multi-Sounds	
31	FX Double Sound	
32	FX Underblowing	
28	FX Cres/Dim FX	

This custom preset tries to combine all available articulations of the different **SYNCHRON-ized Woodwinds** libraries as consistently, clearly and playable as possible in a single patch.

With the help of four controllers, you can operate the numerous **variations** which are shown in detail on the next page. Check the **MIDI CCs** on page 3 for more information.

The first 27 articulations are in the same place for all instruments. This allows you to copy & paste **automation envelopes** between instruments in Ableton. More specific articulations vary from 28 to 32.

KeySwitch & Expression Map
for Ableton Live

www.swub.de

The following table lists the articulations (rows, numbered at left) against the instruments (columns). Cells marked with numbers indicate note/velocity switch assignments; the remaining filled cells are colour-coded per the legend below.

No.	Articulation	Piccolo	Flute 1	Flute 2	Alto Flute	Bass Flute	Flute Ensemble	Oboe 1 FR	Oboe 2 AU	English Horns	Oboe d'amore	Heckelphone	Oboe Ensemble	Clarinet Bb 1	Clarinet Bb 2	Bass Clarinet	Clarinet Eb	Basset Horn	Contrabass Clarinet	Clarinet Ensemble	Bassoon 1	Bassoon 2	Contrabassoon	Bassoon Ensemble
1	Leg NV																							
1	Leg VB Progr																							
1	Leg VB																							
2	Leg Fast NV																							
2	Leg Fast VB Progr																							
2	Leg Fast VB																							
3	Leg Marc NV																							
3	Leg Marc VB																							
4	Leg Grace																							
4	Leg Gliss Long																							
4	Leg Gliss Short																							
	Leg Pure																							
	Leg Auto																							
5	Sus NV																							
5	Sus VB Progr																							
5	Sus VB																							
6	Sus Marc NV																							
6	Sus Marc VB Progr																							
6	Sus Marc VB																							
6	Sus Soft Attack																							
7	Dyn Sfz NV																							
7	Dyn Sfz VB																							
8	Dyn SfZz NV																							
8	Dyn SfZz VB																							
9	Dyn Fp NV																							
9	Dyn Fp VB																							
10	Dyn Light NV												1'5 2 (3) (4)	2 3 4		1'5 2									
10	Dyn Light VB													2 3 4										
11	Dyn Med NV		2 3	1'5 2 3		1'5 2 4		1'5 2 3 4 6		1'5 2 3 4	1'5 2 3 4		2 3 4 6		1'5 2 3 4	1'5 2 3 4	1'5 2 3 4	1'5 2 3 4 6			1'5 2 3 4 6		1'5 2 3 4 6	
11	Dyn Med VB		1'5 2 3 4	2 3	2 3	1 2 4		2 3 4		2 3 4	1'5 2 3 4	1'5 2 3 4									2 3 5	1'5 2 3 4	2 3 5	
12	Dyn Strong NV	1'5 2 3 4	4 6	4 6				2 3 4	4 6	2 3 4	2 3 4	2 3 4		2 3 4 6	2 3 4	3 4 6	2 3 4 6	1'5 2 3 4 6		2 3 5	3 4 6	1'5 2 3 4	3 4 6	2 3 5
12	Dyn Strong VB	3 5	5		5	1'5 2 3 4	2 3 5	3 5	4		3 4	3 4	2 3 5	2 3 4							3 5			
13	Dyn pFp NV				2 3 4 6			3 5 8	2 3 4 6 8		2 3 4	2 3 4	2 3 4 6	2 4 6	2 3 4 6 8 10	2 3 4 6 8		2 3 4 6 8			2 3 4 6 8 10		1'5 2 3 4 6	
13	Dyn pFp VB	6	3 6 9	2 4 8		3 5 8	3 6 8	2 4 8	6	2 4 8	2 4 10	2 4 10		2 4 6							3 5 8			
14	Dyn FpF NV							4 6					4 6								6 8			
14	Dyn FpF VB	5	6 9																		5			
15	Portato Long NV																							
15	Portato Long VB																							
16	Portato Med NV																							
16	Portato Med VB																							
17	Portato Short																							
18	Stac																							
19	Flutter																							
20	Flutter Marc																							
21	Dyn Flutter Cres																							
22	Trill HT																							
22	Trill WT																							
22	Trill Min																							
22	Trill Maj																							
23	Rep Leg																							
24	Rep Portato																							
25	Rep Stac																							
26	Rep Fast	150 160 170 180 200 220	170 180 190 200 210	160 170 180 190 200 210	120 130 140 150 160 170 180					120 130 140 150 160 170 180				140 150 160 170 200	140 150 160 170 180	140 150 160 170 180	120 130 140 150 160				140 150 160 170 180	140 150 160 170 180		
27	FX Scale Runs HT																							
27	FX Scale Runs WT																							
27	FX Scale Runs Min																							
27	FX Scale Runs Maj																							
28	FX Arp Leg Min																							
28	FX Arp Leg Maj																							
28	FX Arp Leg Dim																							
29	FX Arp Stac Min																							
29	FX Arp Stac Maj																							
29	FX Arp Stac Dim																							
30	FX Mord Leg *	12x	12x					12x																
31	FX Mord Stac *		12x																					
28	FX Cluster																							
29	FX Cluster Sfz																							
32	FX Tng Ram Stac																							
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Legend:
- ■ SYNCHRON-ized Woodwinds
- ■ Expansion Pack
- ■ Single Pack
- ■ Ensembles

* **Min** 2nd up/down, **Min** 2nd down/up, **Maj** 2nd up/down, **Maj** 2nd down/up; **2x Min** 2nd up, **2x Min** 2nd down, **2x Maj** 2nd up, **2x Maj** 2nd down;
Min/Maj 2nd up, **Min/Maj** 2nd down, **Maj/Min** 2nd up, **Maj/Min** 2nd down

Content & Consistency

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Variations

CC	Controller	Description
20	Vibrato	If there are vibrato options, they are marked with **(XF)**. If no vibrato or only vibrato is available, either **NV** or **VB** is written in the name.
3	BPM / Speed	The fast repetitions have different speeds and the option to choose is marked with (BPM). Most dynamic articulations offer different durations. If multiple are available, **(S)** signals the possible choice of seconds.
4	AB-Switch	Some dynamic articulations are devided into crescendo and diminuendo. **(AB)** shows you that you can switch the direction of the dynamic.
9	Interval	For the trills, runs, arpeggios and mordents you can select different scales and patterns. Here is **(Int** = Interval) the indication. *

* Additionally, you can choose with C0-B0 the key of the runs and arpeggios. This is indicated with (KS).

Defaults

1	Velocity XF	There are two vsynpresets in the folders. While the _sus preset controls only the dynamic of long articulations with Velocity XF, the other one disables the keystroke velocity for short articulations, too.
7	Master Volume	Use the master volume only to adjust the volume of the track in the overall mix.
8	Timbre Adjust	This controller lets you change the timbre by applying synthetic filters.
11	Expression	Use expression to influence the volume while playing.
14	Reverb Level	More or less reverb.
15	Reverb On / Off	Turn on or off the reverb.
18	Timbre Adjust On / Off	Turn on or off the timbre adjust (see also CC 8).
22	Attack	Adjust the attack time.
23	Release	Adjust the release time.
24	Filter	Apply more or less the player's filter.
25	Humanize Delay Scale	It affects the precision in the timing of notes.
26	Humanize Tuning	You can influence how accurately the tone is played in the attack of the note.
27	Humanize Amount	Control how much the two settings above should have an effect.
33	Legato Blur	It sculpts the legato transitions.
34	Stretch Factor	Time-stretch feature for changing for example the duration of a staccato note in real time so that it fits to your song's tempo.
41- 52	Mix Volume	Control the sliders in the mix tab remotely.