

Vienna Instruments

Basset horn

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Introduction

Welcome to the Vienna Symphonic Library, and thank you for purchasing one of our Solo Download Instruments! This document contains the mapping information for the Vienna Instruments Basset horn. You will find in it a comprehensive survey of the articulations/Patches content, a listing of abbreviations, and the mapping list proper which gives details for every Patch, Matrix, and Preset.

Patch information

The Patch information includes articulation type, playing range, number of samples used, RAM requirements, the number of velocity layers and alternations, AB switching possibilities, etc., as well as Patch specific information if necessary.

All download instruments are built up similarly, so that it is easy to exchange instruments with each other to check out different sounds and combinations. The articulations are largely the same within every Instrument group; here's a brief summary of articulations most instruments offer:

Short notes:

Long notes:

Dynamics: Fortepiano, sforzato, pfp (2 durations) or crescendo and diminuendo (2 durations)

Flutter tonguing: Normal and dynamics (crescendo and diminuendo, or crescendo only)

Clusters: (Woodwind ensembles only) 3-note clusters, sustained and sforzato

Trills: Half and whole tone trills

Interval performances:

Repetition performances:

Fast repetitions: 16ths at 150, 170, and 190 BPM

The velocity layer switches generally are the same for patches with the same number of layers but may occasionally be adapted to the instrument's requirements. The Patch information also lists the velocity layers in detail.

Interval performances

up and down, of course; that makes 24 interval samples per note for one velocity alone! When you load an interval performance Patch and play a line on your keyboard, the software automatically joins the right samples with their interval transitions again, and you hear a perfect legato. By the way, this technique is not only used for legato but also for other articulations like the strings' portamento, marcato, or détaché and spiccato articulations.

Interval performances also contain at least two legato repetitions for every note which alternate automatically whenever you strike a key more than once. There also are preconfigured thresholds for legato and repetition notes: The legato threshold – i.e., the maximum break between notes where legato is played – is 50 ms. Otherwise, a sustained starting note will sound so that you can easily start a new phrase without leaving the legato Patch. For note repetitions, the threshold is 200 ms: a break up to that duration will yield a legato repetition; if the break is longer, a new starting note. But naturally, it's mingling legato with other articulations which makes a piece really come alive.

Due to their nature, all interval performances are monophonic; otherwise, the software would have to be able to decide which source note belongs to which target note. To circumvent this, you can open two VI instances of the same instrument on separate MIDI tracks without any additional strain on your RAM.

Another variety of interval performance you will come across is the "perf-leg_sus" Patch. These Patches also contain normal legatos, only the target note of each interval is crossfaded into a looped sustain. They can be used for slower pieces with long notes; however, you should use them with circumspection, since plain legatos sound more lively because they not only render the interval transitions as they were played, but also have different target samples for every interval instead of the same sustained note: When you play, e.g., c–e and then c#–e with normal legato, you will get two different "e" tones; with sus-legato you won't.

Matrix information

Each Matrix listing contains information regarding the Patches used for the Matrix, the number of horizontal and vertical dimensions, and switching properties. A mapping table shows the Cell positions for each of the Matrix' Patches.

In order to facilitate working with **MIDI controller switches**

Preset information

Pitch

A=440 Hz is called A4 and middle C is C4. All pitches are written as capital letters, their respective octave being indicated by a number next to it. The lowest C on the piano is C1 (the A below that is A0), etc.

You can tune your Vienna Instruments to other players, or adjust it to tunings of earlier musical periods by setting the Perform page's Master Tune option within a range of 420 to 460 Hz.

17D Basset horn

Patches

01D BH staccato	Range: F2–C6	Samples: 138	RAM: 8 MB
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108 mf; 109–127 f

2 Alternations

02D BH portato	Range: F2–C6	Samples: 138	RAM: 8 MB
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Single notes: Portato

3 velocity layers: 0–55 p; 56–108 mp; 109–127 f

2 Alternations

04D BH sustain_noVib	Range: F2–C6	Samples: 138	RAM: 8 MB
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05D BH fp	Range: F2–C6	Samples: 23	RAM: 1 MB
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06D BH sfz	Range: F2–C6	Samples: 23	RAM: 1 MB
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07D BH pfp_noVib_2s	Range: F2–B5	Samples: 44	RAM: 2 MB
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08D BH pfp_noVib_4s	Range: F2–B5	Samples: 44	RAM: 2 MB
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09D BH flutter	Range: F2–C6	Samples: 88	RAM: 5 MB
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10D BH flutter_cre	Range: F2–C6	Samples: 44	RAM: 2 MB
21D BH legato	Range: F2–B5	Samples: 1087	RAM: 67 MB
22D BH legato-sus	Range: F2–B5	Samples: 1131	RAM: 70 MB
23D BH legato-fast	Range: F2–B5	Samples: 1171	RAM: 73 MB
23D BH perf-rep legato	Range: F2–B5	Samples: 220	RAM: 13 MB
24D BH perf-rep portato	Range: F2–B5	Samples: 396	RAM: 24 MB
25D BH perf-rep staccato	Range: F2–B5	Samples: 352	RAM: 22 MB
26D BH fast-rep BPM-150	Range: F2–B5	Samples: 88	RAM: 5 MB
27D BH fast-rep BPM-170	Range: F2–B5	Samples: 88	RAM: 5 MB
28D BH fast-rep BPM-190	Range: F2–B5	Samples: 88	RAM: 5 MB

Matrices

Basset horn - all

Samples: 3050 RAM: 190 MB

nt's patches as well as a combination of sustained notes with staccato attack

Matrix switches: Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained w/o vibrato	sforzato	legato	legato repetition	(empty)	fast rep. 150 BPM	flutter tonguing
V2	portato	sustained w/o vibrato	fortepiano	legato/sus. XF	portato repetition	(empty)	fast rep. 170 BPM	flutter crescendo
V3	portato	sus/staccat o attack	pfp 2 sec.	legato fast	staccato repetition	(empty)	fast rep. 190 BPM	flutter crescendo

speed

Samples: 1383 RAM: 86 MB

Legato with sustain crossfading, normal, and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
V1	legato/sus.XF	legato normal	legato fast

Presets

Basset horn

Samples: 3050 RAM: 190 MB

Matrices:

Basset horn - all

Basset horn - legato-speed

Keyswitches: C2, D2