Vienna Instruments
Muted Brass
User Manual

Trumpet C mute
Trumpet ensemble (3) mute
Tenor trombone mute
Trombone ensemble (3) mute

Contents

Introduction

Welcome to the Vienna Symphonic Library, and thank you for purchasing one (or all) of the Single Instrument Libraries treated in this manual! This document contains the mapping information for all volumes of the Standard and Full Libraries of the Vienna Instruments Trumpet (C) mute, Trumpet ensemble (3) mute, Tenor trombone mute, and Trombone ensemble (3) mute. 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.

Where the type of articulation requires a special mapping (e.g., percussion Patches), the mapping layout will be shown in a detailed graphic.

The Patch information also lists a Patch's velocity layers in detail. 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:

Layers	Layer 1	Layer 2	Layer 3	Layer 4	Layer 5	Layer 6
2	1–88	89–127				
3	1–55	56–88	89–127			
4	1–55	56–88	89–108	109-127		
5	1–24	25–55	56–88	89–108	109–127	
6	1–24	25–55	56–88	89–108	109–118	119–127

Interval performances

Interval performances are one of the outstanding features of our Vienna Instruments. They allow you to play authentic legato without any programming tricks. In our Silent Stage, all intervals from minor second to the octave were recorded for every instrument – 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 of course, 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.

Please note that the **Vienna Instruments PRO** player software also allows you to play polyphonic Interval performances.

Another variety of interval performance you may come across is the "legato-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.

A/B switching normally is set to A0 for upward/crescendo, and B0 for downward/diminuendo. However, some bass instruments go below that range so that the A/B keys have to be adapted accordingly. For example, the A/B switches for double bass are A0 and A#0 because the instrument's lower range extends to B0.

In order to facilitate working with **MIDI controller switches** like the Modulation wheel, the switching positions are not distributed equally across the controller range if they control more than two Matrix rows or columns; generally, the switching range will be narrower at the extreme positions because they are easy to set, and wider in the middle where it is harder to find the desired setting.

Speed controller switches naturally are adjusted to the Patches involved, and have been tested carefully as to their playability. However, if you find that they do not fit your playing, or want to try out other settings, you can change this as well as any other controller's settings at the **Control edit** page, and save the result in your Custom Matrix folder.

Vienna Instruments PRO 2 Matrices

These Libraries also contain Matrices specially designed for Vienna Instruments PRO 2 which are not explicitly listed in this Manual. For further information on these Matrices and their features, please refer to the document "Vienna Instruments PRO 2 – Special Editions Matrices & Presets" which can be downloaded from our User Area.

Preset information

The Preset information lists the Matrices used in the Preset as well as its keyswitches. All other information can be gathered from the Matrix and Patch listings, so there's not really much to say here. Please note that the Matrices of a Preset can also be switched with MIDI Program Changes (VI: 101–112; VI PRO: 1–127) instead of keyboard notes, and if you like to keep your keyboard free for playing instead of switching, you can disable Preset keyswitching and only use MIDI Program Changes. Vienna Instruments PRO also allows you to define a MIDI Control for Preset keyswitching.

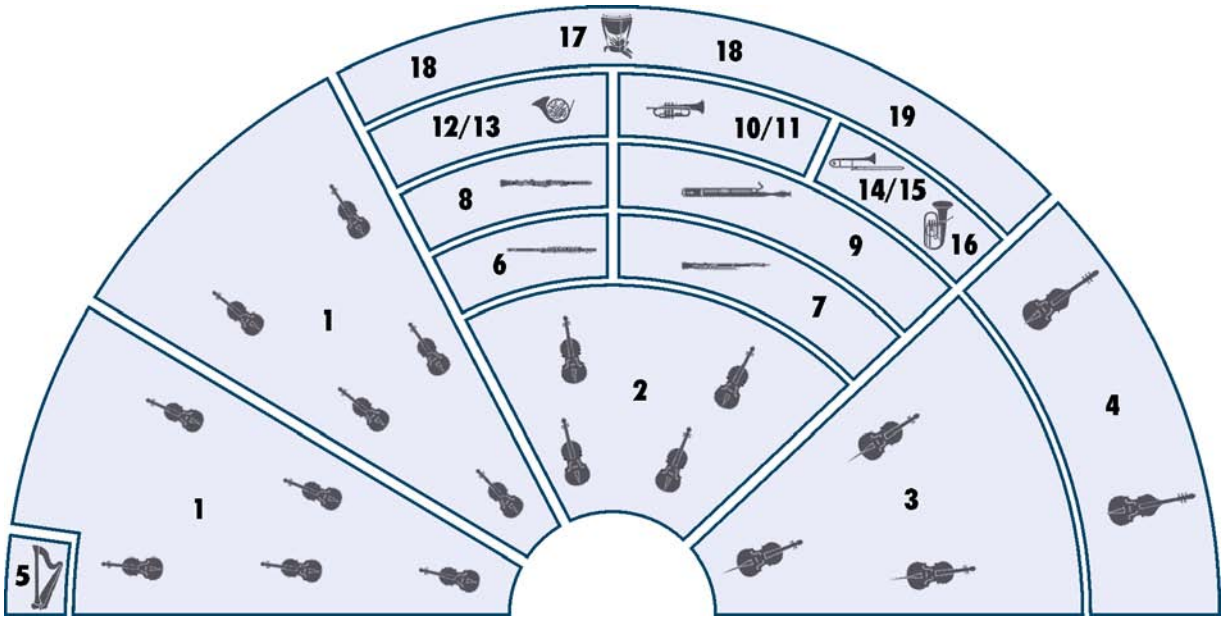
Abbreviations

Here's a list of abbreviations in Patch names, which will help you to determine a Patch's content even without the help of the Vienna Instruments browser. Please note that not all of the abbreviations may occur in the manual on hand.

Abbreviation	Meaning	Abbreviation	Meaning
+	faster articulation (runs and arpeggios)	li	light
150, 160, …	150, 160, … BPM (beats per minute)	lo	long
1s, 2s, …	tone length 1 sec., 2 sec., …	ma	major
acc	accelerando	me	medium
all	combination of all Patches of a category	mi	minor
arp	arpeggio	mord	mordent
cre	crescendo	nA	normal attack
dim	diminuendo	noVib	without vibrato
dm	diminished (arpeggios)	perf-rep	repetition performance
dyn	dynamics (crescendo and diminuendo)	por	portato
dyn5, dyn9	dynamics, 5/9 repetitions	run	octave run
fa	fast	sA	soft attack
faT	fast triplets	sl	slow
fA	fast attack	sta, stac	staccato
fA_auto	attack automation (normal/fast attack)	str	strong
fast-rep	fast repetitions	sus	sustained
flatter	flutter tonguing	T	triplets
fx	effect – flute: tongue-ram staccato	UB	upbeat
hA	hard attack	UB-a1, -a2	1, 2 upbeats
leg	legato	v1, v2 …	1st, 2nd, … variation
		Vib	with (medium) vibrato
		Vib-progr	progressive vibrato
		XF	Cell crossfade Matrix

The orchestra

There are several ways of setting up an orchestra, depending on the era of the piece played, the type of the piece and the instruments it requires, and even on the preference of the conductor. The figure below shows one of the more common setups, which can be taken as a guideline for mixing a composition, properly positioning the instruments in the stereo field and adding reverb according to the size of the concert hall you want your piece to be played in.



1 1st and 2nd violin
2 Viola
3 Cello
4 Double bass
5 Harp
6 Concert flute, piccolo
7 Oboe, English horn
8 Clarinet, bass clarinet
9 Bassoon, contrabassoon
10/11 Trumpet
12/13 Horn
14/15 Trombone
16 Tuba
17 Timpani
18 Drums, cymbals
19 other percussion instruments

Pitch

For designating pitch, the Vienna Symphonic Library uses International Pitch Notation (IPN), which was agreed upon internationally under the auspices of the Acoustical Society of America. In this system the international standard of 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.

Trumpet C Mute – Standard Library

Patches

02D Trumpet C mute **Range: E3–C#6**

Single notes: Staccato, portato, sustained with and without vibrato, flutter tonguing normal and crescendo
Dynamics: Fortepiano, sforzato, crescendo-diminuendo 2 and 5 sec.
Trills, minor and major 2nd
Interval performances: Legato
Repetition performances: Legato, portato, staccato
Fast repetitions: 150/170/190 BPM

01D TrC-mu staccato **Range: E3–C6** **Samples: 168** **RAM: 10 MB**

Staccato
3 velocity layers: 0–55 p; 56–108 f; 109–127 f
4 Alternations

02D TrC-mu portato **Range: E3–C6** **Samples: 168** **RAM: 10 MB**

Portato
3 velocity layers: 0–55 p; 56–108 f; 109–127 f
4 Alternations

03D TrC-mu sustain_Vib **Range: E3–C6** **Samples: 141** **RAM: 8 MB**

Sustained, with vibrato
3 velocity layers: 0–55 p; 56–108 f; 109–127 f
Release samples

04D TrC-mu sustain_noVib **Range: E3–C6** **Samples: 96** **RAM: 6 MB**

Sustained, without vibrato
3 velocity layers: 0–55 p; 56–108 f; 109–127 f
Release samples

05D TrC-mu fp **Samples: 31** **RAM: 1 MB**

Fortepiano
1 velocity layer
2 Alternations

06D TrC-mu sfz **Samples: 31** **RAM: 1 MB**

Sforzato
1 velocity layer
2 Alternations

07D TrC-mu pfp_Vib_2s **Samples: 32** **RAM: 2 MB**

Crescendo-diminuendo with vibrato, 2 sec.
2 velocity layers: 0–88 p; 89–127 mf

08D TrC-mu pfp_Vib_5s **Samples: 32** **RAM: 2 MB**

Crescendo-diminuendo with vibrato, 5 sec.
2 velocity layers: 0–88 p; 89–127 mf

09D TrC-mu flatter **Samples: 62** **RAM: 3 MB**

Flutter tonguing
1 velocity layer
Release samples

10D TrC-mu flatter_cre **Samples: 31** **RAM: 1 MB**

Flutter tonguing, crescendo
1 velocity layer

11D TrC-mu trill_1 **Range: E3–B5** **Samples: 60** **RAM: 3 MB**

Trills, minor 2nd
2 velocity layers: 0–88 p; 89–127 f
Release samples

12D TrC-mu trill_2 **Range: E3–B5** **Samples: 60** **RAM: 3 MB**

Trills, major 2nd
2 velocity layers: 0–88 p; 89–127 f
Release samples

21D TrC-mu legato **Range: E3–C6** **Samples: 716** **RAM: 44 MB**

Interval performances: Legato
2 velocity layers: 0–88 p; 89–127 f
Release samples

23D TrC-mu perf-rep legato **Samples: 140** **RAM: 8 MB**

Repetition performances: Legato
2 velocity layers: 0–88 p; 89–127 f

24D TrC-mu perf-rep portato **Samples: 288** **RAM: 18 MB**

Repetition performances: Portato
2 velocity layers: 0–88 p; 89–127 f

25D TrC-mu perf-rep staccato **Samples: 288** **RAM: 18 MB**

Repetition performances: Staccato
2 velocity layers: 0–88 p; 89–127 f

26D TrC-mu fast-rep BPM-150 (170/190) **Samples: 64** **RAM: 4 MB**

Fast repetitions, 150/170/190 BPM
2 velocity layers: 0–88 p; 89–127 f
Release samples

99 Release patches - no playback

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

02D Trumpet C mute

Trumpet C mute - all **Samples: 2362 RAM: 147 MB**

The Matrix contains all trumpet Patches.

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

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	sforzato	legato	perf-rep. legato	trill half	fast rep. 150 BPM	flutter tonguing
V2	portato	sustained	fortepiano	legato	perf-rep. portato	trill whole	fast rep. 170 BPM	flutter t., crescendo
V3	portato	sus. / stacc. attack	cres-dim 5 sec.	legato	perf-rep. staccato	trill whole	fast rep. 190 BPM	flutter t., crescendo

Presets

02D Trumpet C mute

Trumpet C mute **Samples: 2362 RAM: 147 MB**

Matrix: Trumpet C mute - all

Trumpet C Mute – Full Library

Patches

01 SHORT + LONG NOTES — Range: E3–C#6

Staccato
Portato short and medium
Portato long with vibrato
Sustained with, without, and with progressive vibrato

01 TrC-mu_staccato — **Samples: 186** — **RAM: 11 MB**

Staccato
3 velocity layers: 0–55 p; 56–108 f; 109–127 f
4 Alternations

02 TrC-mu_portato_short — **Samples: 168** — **RAM: 10 MB**

Portato, short
3 velocity layers: 0–55 p; 56–108 f; 109–127 f
4 Alternations

03 TrC-mu_portato_medium — **Samples: 192** — **RAM: 12 MB**

Portato, medium
3 velocity layers: 0–55 p; 56–108 f; 109–127 f
4 Alternations

04 TrC-mu_portato_long_Vib — **Samples: 96** — **RAM: 6 MB**

Portato, long, with vibrato
3 velocity layers: 0–55 p; 56–108 f; 109–127 f
Release samples

11 TrC-mu_sus_Vib — **Samples: 141** — **RAM: 8 MB**

Sustained, with vibrato
3 velocity layers: 0–55 p; 56–108 f; 109–127 f
Release samples

12 TrC-mu_sus_Vib-progr — **Samples: 96** — **RAM: 6 MB**

Sustained, progressive vibrato
3 velocity layers: 0–55 p; 56–108 f; 109–127 f
Release samples

13 TrC-mu_sus_noVib — **Samples: 96** — **RAM: 6 MB**

Sustained, without vibrato
3 velocity layers: 0–55 p; 56–108 f; 109–127 f
Release samples

02 DYNAMICS Range: E3–C#6

Medium crescendo and diminuendo with vibrato, 2, 3, and 4 sec.
Medium crescendo and diminuendo without vibrato, 2, 3, 4, and 6 sec.
Strong crescendo and diminuendo without vibrato, 2, 3, 4, and 6 sec.
Crescendo-diminuendo with vibrato, 2, 5, and 9 sec.; without vibrato, 2, 3, 4, and 5 sec.
Fortepiano, sforzato, sforzatissimo with and without vibrato

01 TrC-mu_dyn-me_Vib_2s Samples: 64 RAM: 4 MB

Medium crescendo and diminuendo with vibrato, 2 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

02 TrC-mu_dyn-me_Vib_3s Samples: 64 RAM: 4 MB

Medium crescendo and diminuendo with vibrato, 3 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

03 TrC-mu_dyn-me_Vib_4s Samples: 64 RAM: 4 MB

Medium crescendo and diminuendo with vibrato, 4 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

11 TrC-mu_dyn-me_noVib_2s Samples: 64 RAM: 4 MB

Medium crescendo and diminuendo without vibrato, 2 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

12 TrC-mu_dyn-me_noVib_3s Samples: 64 RAM: 4 MB

Medium crescendo and diminuendo without vibrato, 3 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

13 TrC-mu_dyn-me_noVib_4s Samples: 64 RAM: 4 MB

Medium crescendo and diminuendo without vibrato, 4 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

14 TrC-mu_dyn-me_noVib_6s Samples: 64 RAM: 4 MB

Medium crescendo and diminuendo without vibrato, 6 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

21 TrC-mu_dyn-str_noVib_2s Samples: 32 RAM: 2 MB

Strong crescendo and diminuendo without vibrato, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

22 TrC-mu_dyn-str_noVib_3s **Samples: 32** **RAM: 2 MB**

Strong crescendo and diminuendo without vibrato, 3 sec.
1 velocity layer
AB switch: crescendo/diminuendo

23 TrC-mu_dyn-str_noVib_4s **Samples: 32** **RAM: 2 MB**

Strong crescendo and diminuendo without vibrato, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

24 TrC-mu_dyn-str_noVib_6s **Samples: 32** **RAM: 2 MB**

Strong crescendo and diminuendo without vibrato, 6 sec.
1 velocity layer
AB switch: crescendo/diminuendo

31 TrC-mu_pfp_Vib_2s **Samples: 32** **RAM: 2 MB**

Crescendo-diminuendo with vibrato, 2 sec.
2 velocity layers: 0–88 p; 89–127 mf

32 TrC-mu_pfp_Vib_5s **Samples: 32** **RAM: 2 MB**

Crescendo-diminuendo with vibrato, 5 sec.
2 velocity layers: 0–88 p; 89–127 mf

33 TrC-mu_pfp_Vib_9s **Samples: 16** **RAM: 1 MB**

Crescendo-diminuendo with vibrato, 9 sec.
1 velocity layer

34 TrC-mu_pfp_noVib_2s **Samples: 32** **RAM: 2 MB**

Crescendo-diminuendo without vibrato, 2 sec.
2 velocity layers: 0–88 p; 89–127 mf

35 TrC-mu_pfp_noVib_3s **Samples: 32** **RAM: 2 MB**

Crescendo-diminuendo without vibrato, 3 sec.
2 velocity layers: 0–88 p; 89–127 mf

36 TrC-mu_pfp_noVib_4s **Samples: 32** **RAM: 2 MB**

Crescendo-diminuendo without vibrato, 4 sec.
2 velocity layers: 0–88 p; 89–127 mf

37 TrC-mu_pfp_noVib_5s **Samples: 32** **RAM: 2 MB**

Crescendo-diminuendo without vibrato, 5 sec.
2 velocity layers: 0–88 p; 89–127 mf

41 TrC-mu_fp_Vib **Samples: 31** **RAM: 1 MB**

Fortepiano, with vibrato
1 velocity layer
2 Alternations

42 TrC-mu_sfz_Vib **Samples: 31** **RAM: 1 MB**

Sforzato, with vibrato
1 velocity layer
2 Alternations

43 TrC-mu_sffz_Vib **Samples: 31** **RAM: 1 MB**

Sforzatissimo, with vibrato
1 velocity layer
2 Alternations

44 TrC-mu_fp_noVib **Samples: 31** **RAM: 1 MB**

Fortepiano, without vibrato
1 velocity layer
2 Alternations

45 TrC-mu_sfz_noVib **Samples: 31** **RAM: 1 MB**

Sforzato, without vibrato
1 velocity layer
2 Alternations

46 TrC-mu_sffz_noVib **Samples: 31** **RAM: 1 MB**

Sforzatissimo, without vibrato
1 velocity layer
2 Alternations

03 FLATTER + TRILLS **Range: E3–C#6**

Flutter tonguing normal and crescendo
Trills minor and major 2nd, normal and dynamics

01 TrC-mu_flatter **Samples: 62** **RAM: 3 MB**

Flutter tonguing
1 velocity layer: 0–127 f
Release samples

02 TrC-mu_flatter_cre **Samples: 31** **RAM: 1 MB**

Flutter tonguing, crescendo
1 velocity layer

11 TrC-mu_trill_1 **Range: E3–B6** **Samples: 60** **RAM: 3 MB**

Trills, minor 2nd
2 velocity layers: 0–88 p; 89–127 f
Release samples

12 TrC-mu_trill_2 **Range: E3–B6** **Samples: 60** **RAM: 3 MB**

Trills, major 2nd
2 velocity layers: 0–88 p; 89–127 f
Release samples

13 TrC-mu_trill_1_dyn **Range: E3–B6** **Samples: 30** **RAM: 1 MB**

Trills, crescendo and diminuendo, minor 2nd
1 velocity layer
AB switch: crescendo/diminuendo

14 TrC-mu_trill_2_dyn **Range: E3–B6** **Samples: 30** **RAM: 1 MB**

Trills, crescendo and diminuendo, major 2nd
1 velocity layer
AB switch: crescendo/diminuendo

10 PERF INTERVAL **Range: E3–C6**

Interval performances
Legato, without and with vibrato
Marcato

01 TrC-mu_perf-legato_noVib **Samples: 700** **RAM: 43 MB**

Legato, without vibrato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 TrC-mu_perf-legato_Vib **Samples: 378** **RAM: 23 MB**

Legato, with vibrato
Monophonic
1 velocity layer: 0–127 mf
Release samples

03 TrC-mu_perf-marcato_noVib **Samples: 700** **RAM: 43 MB**

Marcato, without vibrato
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

11 PERF INTERVAL FAST **Range: E3–C6**

Fast interval performances
Legato
Marcato

01 TrC-mu_perf-legato_fa **Samples: 686** **RAM: 42 MB**

Legato, fast
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 TrC-mu_perf-marcato_fa **Samples: 684** **RAM: 42 MB**

Marcato, fast
Monophonic

2 velocity layers: 0–88 mp; 89–127 f
Release samples

12 PERF TRILL — Range: E3–C6

Multi interval performances
Trills, legato, minor to major 2nd

01 TrC-mu_perf-trill — Samples: 1224 — RAM: 76 MB

Performance trills, legato, minor to major 2nd
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

13 PERF REPETITION — Range: F#3–C#6

Repetition performances
Legato
Portato slow and fast
Staccato slow and fast
Normal and dynamics

01 TrC-mu_perf-rep_leg — Samples: 140 — RAM: 8 MB

Legato
2 velocity layers: 0–88 p; 89–127 f

02 TrC-mu_perf-rep_por-sl — Range: E3–C#6 — Samples: 288 — RAM: 18 MB

Portato, slow
2 velocity layers: 0–88 p; 89–127 f

03 TrC-mu_perf-rep_por-fa — Range: E3–C#6 — Samples: 288 — RAM: 18 MB

Portato, fast
2 velocity layers: 0–88 p; 89–127 f

04 TrC-mu_perf-rep_sta-sl — Samples: 252 — RAM: 15 MB

Staccato, slow
2 velocity layers: 0–88 p; 89–127 f

05 TrC-mu_perf-rep_sta-fa — Range: E3–C#6 — Samples: 288 — RAM: 18 MB

Staccato, fast
2 velocity layers: 0–88 p; 89–127 f

21 TrC-mu_perf-rep_dyn5_leg — Samples: 140 — RAM: 8 MB

Legato dynamics, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

22 TrC-mu_perf-rep_dyn9_por-sl **Range: E3–C#6** **Samples: 288** **RAM: 18 MB**

Portato dynamics, slow, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

23 TrC-mu_perf-rep_dyn9_por-fa **Range: E3–C#6** **Samples: 288** **RAM: 18 MB**

Portato dynamics, fast, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

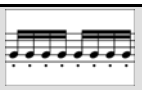
24 TrC-mu_perf-rep_dyn9_sta-sl **Samples: 252** **RAM: 15 MB**

Staccato dynamics, slow, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

25 TrC-mu_perf-rep_dyn9_sta-fa **Range: E3–C#6** **Samples: 288** **RAM: 18 MB**

Staccato dynamics, fast, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

14 FAST REPETITION



Range: E3–C#6

Fast repetitions
Staccato, 9 repetitions, 140–170, and 190 BPM
Normal and dynamics

01 TrC-mu_fast-rep_140 (150/160/170/190) **Samples: 64** **RAM: 4 MB**

Staccato repetitions, 140–170, and 190 BPM
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 TrC-mu_fast-rep_140_dyn (150/160/170/190) **Samples: 32** **RAM: 2 MB**

Staccato repetitions, dynamics, 140–170, and 190 BPM
1 velocity layer
AB switch: crescendo/diminuendo

15 UPBEAT REPETITION

Upbeat repetitions
1–3 upbeats, 90–140, 160, 180, and 200 BPM

A Single Upbeat

Range: E3–C#6

01 TrC-mu_UB-a1_90 (100/110/120/130/140/160/180/200) **Samples: 32** **RAM: 2 MB**

1 upbeat, 90–140, 160, 180, and 200 BPM
2 velocity layers: 0–88 p; 89–127 f

B Double Upbeats — Range: E3–C#6

01 TrC-mu_UB-a2_90 (100/110/120/130/140/160/180/200) — **Samples: 32** — **RAM: 2 MB**

2 upbeats, 90–140, 160, 180, and 200 BPM
2 velocity layers: 0–88 p; 89–127 f

C Triple Upbeats — Range: E3–C#6

01 TrC-mu_UB-a3_90 (100/110/120/130/140/160/180/200) — **Samples: 32** — **RAM: 2 MB**

3 upbeats, 90–140, 160, 180, and 200 BPM
2 velocity layers: 0–88 p; 89–127 f

98 RESOURCES

Isolated dynamics repetitions: Legato, portato, and staccato
Single layer long notes

01 Perf Rep dyn — Range: F#3–C#6

01 TrC_mu_rep_cre5_leg-1 (2/3/4/5) — **Samples: 14** — **RAM: 1 MB**

Extracted repetitions: Legato, crescendo, 1st to 5th note
1 velocity layer

01 TrC_mu_rep_dim5_leg-1 (2/3/4/5) — **Samples: 14** — **RAM: 1 MB**

Extracted repetitions: Legato, diminuendo, 1st to 5th note
1 velocity layer

02 TrC_mu_rep_cre9_por-1 (2/3/4/5/6/7/8/9) Range: E3–C#6 — **Samples: 16** — **RAM: 1 MB**

Extracted repetitions: Portato, crescendo, 1st to 9th note
1 velocity layer

02 TrC_mu_rep_dim9_por-1 (2/3/4/5/6/7/8/9) Range: E3–C#6 — **Samples: 16** — **RAM: 1 MB**

Extracted repetitions: Portato, diminuendo, 1st to 9th note
1 velocity layer

03 TrC_mu_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) — **Samples: 14** — **RAM: 1 MB**

Extracted repetitions: Staccato, crescendo, 1st to 9th note
1 velocity layer

03 TrC_mu_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) — **Samples: 14** — **RAM: 1 MB**

Extracted repetitions: Staccato, diminuendo, 1st to 9th note
1 velocity layer

02 Long Notes - Single Layer — Range: E3–C#6

01 TrC-mu_sus_p_noVib — **Samples: 32** **RAM: 2 MB**

Sustained, piano, without vibrato
1 velocity layer
Release samples

02 TrC-mu_sus_mf_noVib — **Samples: 32** **RAM: 2 MB**

Sustained, mezzoforte, without vibrato
1 velocity layer
Release samples

03 TrC-mu_sus_f_noVib — **Samples: 32** **RAM: 2 MB**

Sustained, forte, without vibrato
1 velocity layer
Release samples

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 TrC-mu Articulation Combi — **Samples: 882** **RAM: 55 MB**

Single note articulations
Staccato, portato short, sustained with and without vibrato, crescendo-diminuendo with vibrato 2 and 5 sec., fortepiano and sforzato, flutter tonguing normal and crescendo, trills half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–F1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1
V1	stac	sus vib.	pfp vib. 2s.	fp	flutter	trill half
V2	port. short	sus no vib.	pfp vib. 5s.	sfz	flutter cres.	trill whole

Matrix - LEVEL 2 A - Advanced

01 TrC-mu Perf-Universal — **Samples: 1762** **RAM: 110 MB**

Interval performances
Legato and Marcato, normal without vibrato and fast
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
legato	normal	fast
marcato	normal	fast

02 TrC-mu Perf-Trill Speed — Samples: 1452 RAM: 90 MB

Multi interval performances
Legato and trills
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills

03 TrC-mu Short+Long notes — Samples: 783 RAM: 48 MB

Single notes
Staccato, portato short and medium, sustained with light, progressive, and without vibrato

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1
V1	staccato	port. short	port.med.	sus. vib.
V2	%	%	%	sus. prog. vib.
V3	%	%	%	sus. no vib.

Matrix - LEVEL 2 B - Standard

11 TrC-mu Perf-Legato Speed — Samples: 914 RAM: 57 MB

Interval performances
Legato normal without vibrato, and fast
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
legato	normal no vib.	fast

12 TrC-mu Perf-Marcato Speed — Samples: 912 RAM: 57 MB

Interval performances
Marcato normal and fast
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
marcato	normal	fast

13 TrC-mu Short notes — Samples: 642 RAM: 40 MB

Single notes
Staccato, portato short, portato medium, portato long with vibrato

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
V1	staccato	port. short	port.medium	port.long vib.

14 TrC-mu Long notes - All — Samples: 237 RAM: 14 MB

Single notes
Sustained with normal, progressive, and without vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
sustained	vibrato	progr. vibrato	no vibrato

15 TrC-mu Dynamics - Small — Samples: 285 — RAM: 17 MB

Dynamics
Medium crescendo and diminuendo with vibrato, 2, 3, and 4 sec.
Fortepiano, sforzato, and sforzatissimo without vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
dyn.med. vib.	2 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

16 TrC-mu Dynamics - Large — Samples: 669 — RAM: 41 MB

Dynamics
Medium crescendo and diminuendo with and without vibrato, 2, 3, and 4 sec.
Strong crescendo and diminuendo without vibrato, 2, 3, and 4 sec.
Crescendo-diminuendo without vibrato 2, 3, and 4 sec.
Fortepiano, sforzato, sforzatissimo without vibrato

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 5 zones

	C1	C#1	D1
dyn.med. vib.	2 sec.	3 sec.	4 sec.
dyn.med. no vib.	2 sec.	3 sec.	4 sec.
dyn.str. no vib.	2 sec.	3 sec.	4 sec.
pfp no vib.	2 sec.	3 sec.	4 sec.
fp/sfz/sffz	fp	sfz	sffz

17 TrC-mu Flatter — Samples: 93 — RAM: 5 MB

Flutter tonguing
Normal, crescendo, and normal/crescendo with Cell crossfading

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
flutter	normal	crescendo	Cell XF

18 TrC-mu Trills — Samples: 180 — RAM: 11 MB

Trills, minor and major 2nd
Normal and dynamics

Matrix switches: Horizontal: Keyswitches, C1–C#1 Vertical: Modwheel, 2 zones

	C1	C#1
min. 2nd	normal	dynamics
maj. 2nd	normal	dynamics

Matrix - LEVEL 2 C - Repetitions

31 TrC-mu Perf-Repetitions - Combi — Samples: 968 — RAM: 60 MB

Repetition performances
Legato, portato slow and fast, and staccato slow

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
V1	legato	portato slow	portato fast	staccato slow

32 TrC-mu Perf-Repetitions - Speed

Samples: 716 **RAM: 44 MB**

Repetition performances
Legato, portato fast, and staccato fast
Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
V1	legato	portato fast	portato fast	staccato fast

33 TrC-mu Fast-Repetitions

Samples: 192 **RAM: 12 MB**

Staccato repetitions, 140–170, and 190 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
speed/BPM	140	150	160	170	190

34 TrC-mu Upbeats a1

Samples: 288 **RAM: 18 MB**

Repetitions: 1 upbeat, 90–140, 160, 180, and 200 BPM

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
speed/BPM	90	100	110	120	130	140	160	180	200

35 TrC-mu Upbeats a2

Samples: 288 **RAM: 18 MB**

Repetitions: 2 upbeats, 90–140, 160, 180, and 200 BPM

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
speed/BPM	90	100	110	120	130	140	160	180	200

36 TrC-mu Upbeats a3

Samples: 288 **RAM: 18 MB**

Repetitions: 3 upbeats, 90–140, 160, 180, and 200 BPM

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
speed/BPM	90	100	110	120	130	140	160	180	200

37 TrC-mu Upbeats all

Samples: 864 **RAM: 54 MB**

Repetitions: 1–3 upbeats, 90–140, 160, 180, and 200 BPM

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
1 upbeat	90	100	110	120	130	140	160	180	200
2 upbeats	90	100	110	120	130	140	160	180	200
3 upbeats	90	100	110	120	130	140	160	180	200

Matrix - LEVEL 2 E - Keyswitch Vel

71 TrC-mu Legato - cre5 — Samples: 70 — RAM: 4 MB

Legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

72 TrC-mu Portato - cre9 — Samples: 144 — RAM: 9 MB

Portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

73 TrC-mu Staccato - cre9 — Samples: 126 — RAM: 7 MB

Staccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

74 TrC-mu Combi - cre9 — Samples: 270 — RAM: 16 MB

Portato and staccato: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

75 TrC-mu Legato - dim5 — Samples: 70 — RAM: 4 MB

Legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

76 TrC-mu Portato - dim9 — Samples: 144 — RAM: 9 MB

Portato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

77 TrC-mu Staccato - dim9 — Samples: 126 — RAM: 7 MB

Staccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

78 TrC-mu Combi - dim9 — Samples: 270 — RAM: 16 MB

Portato and staccato: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

Presets

TrC-mu VSL Preset Level 1 — Samples: 882 — RAM: 55 MB

L1 TrC-mu Articulation Combi

TrC-mu VSL Preset Level 2 — Samples: 4538 — RAM: 283 MB

01 TrC-mu Perf-Universal
02 TrC-mu Perf-Trill Speed
L1 TrC-mu Articulation Combi
31 TrC-mu Perf-Repetitions - Combi
74 TrC-mu Combi - cre9
Preset keyswitches: C2–E2

Trumpet Ensemble Mute – Standard Library

Patches

03D Trumpet ens (3) mute **Range: F#3–C#6**

Single notes: Staccato, portato, sustained, flutter tonguing normal and crescendo
Dynamics: Fortepiano, sforzato, crescendo-diminuendo 2 and 5 sec.
Interval performances: Legato
Repetition performances: Legato, portato, staccato
Fast repetitions: 150/170/190 BPM

01D Tr-3-mu staccato **Samples: 168** **RAM: 10 MB**

Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

02D Tr-3-mu portato **Samples: 168** **RAM: 10 MB**

Portato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

03D Tr-3-mu sustain **Range: F#3–C6** **Samples: 84** **RAM: 5 MB**

Sustained
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

05D Tr-3-mu fp **Range: F#3–C6** **Samples: 27** **RAM: 1 MB**

Fortepiano
1 velocity layer
2 Alternations

06D Tr-3-mu sfz **Range: F#3–C6** **Samples: 27** **RAM: 1 MB**

Sforzato
1 velocity layer
2 Alternations

07D Tr-3-mu pfp_2s **Range: F#3–C6** **Samples: 28** **RAM: 1 MB**

Crescendo-diminuendo, 2 sec.
2 velocity layers: 0–88 p; 89–127 f

08D Tr-3-mu pfp_4s **Range: F#3–C6** **Samples: 28** **RAM: 1 MB**

Crescendo-diminuendo, 5 sec.
2 velocity layers: 0–88 p; 89–127 f

09D Tr-3-mu flatter **Range: F#3–C6** **Samples: 28** **RAM: 1 MB**

Flutter tonguing
1 velocity layer
Release samples

10D Tr-3-mu flatter_cre **Samples: 14** **RAM: 1 MB**

Flutter tonguing, crescendo
1 velocity layer

21D Tr-3-mu legato **Range: F#3–C6** **Samples: 682** **RAM: 42 MB**

Interval performances: Legato
2 velocity layers: 0–88 p; 89–127 f
Release samples

23D Tr-3-mu perf-rep legato **Samples: 140** **RAM: 8 MB**

Repetition performances: Legato
2 velocity layers: 0–88 p; 89–127 f

24D Tr-3-mu perf-rep portato **Samples: 252** **RAM: 15 MB**

Repetition performances: Portato
2 velocity layers: 0–88 p; 89–127 f

25D Tr-3-mu perf-rep staccato **Samples: 252** **RAM: 15 MB**

Repetition performances: Staccato
2 velocity layers: 0–88 p; 89–127 f

26D Tr-3-mu fast-rep BPM-150 (170/190) **Samples: 56** **RAM: 3 MB**

Fast repetitions, 150/170/190 BPM
2 velocity layers: 0–88 p; 89–127 f
Release samples

03D Trumpet ens (3) mute/99 Release patches - no playback

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

03D Trumpet ens (3) mute

Trumpets (3) mute - all **Samples: 1912** **RAM: 119 MB**

The Matrix contains all trumpet ensemble Patches.

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

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	sforzato	legato	perf-rep. legato	(empty)	fast rep. 150 BPM	flutter tonguing
V2	portato	sustained	fortepiano	legato	perf-rep. portato	(empty)	fast rep. 170 BPM	flutter t., crescendo
V3	portato	sus. / stacc. attack	cres-dim 4 sec.	legato	perf-rep. staccato	(empty)	fast rep. 190 BPM	flutter t., crescendo

Presets

03D Trumpet ens (3) mute

Trumpets (3) mute **Samples: 1912 RAM: 119 MB**

Matrix: Trumpets (3) mute - all

Trumpet Ensemble Mute – Full Library

Patches

01 SHORT + LONG NOTES — Range: F#3–C#6

Staccato
Portato short and medium
Sustained

01 Tr-3_mu_staccato — **Samples: 168** **RAM: 10 MB**

Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

02 Tr-3_mu_portato_short — **Samples: 168** **RAM: 10 MB**

Portato, short
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

03 Tr-3_mu_portato_medium — **Samples: 162** **RAM: 10 MB**

Portato, medium
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

11 Tr-3_mu_sus — **Samples: 84** **RAM: 5 MB**

Sustained
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

02 DYNAMICS — Range: F#3–C#6

Strong crescendo and diminuendo, 2, 3, 4, and 6 sec.
Crescendo-diminuendo, 2, 3, 4, and 6 sec.
Fortepiano, sforzato , sforzatissimo

01 Tr-3_mu_dyn-str_2s — **Samples: 28** **RAM: 1 MB**

Strong crescendo and diminuendo, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

02 Tr-3_mu_dyn-str_3s — **Samples: 28** **RAM: 1 MB**

Strong crescendo and diminuendo, 3 sec.
1 velocity layer
AB switch: crescendo/diminuendo

03 Tr-3_mu_dyn-str_4s **Samples: 28** **RAM: 1 MB**

Strong crescendo and diminuendo, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

04 Tr-3_mu_dyn-str_6s **Samples: 28** **RAM: 1 MB**

Strong crescendo and diminuendo, 6 sec.
1 velocity layer
AB switch: crescendo/diminuendo

11 Tr-3_mu_pfp_2s **Samples: 28** **RAM: 1 MB**

Crescendo-diminuendo, 2 sec.
2 velocity layers: 0–88 p; 89–127 f

12 Tr-3_mu_pfp_3s **Samples: 28** **RAM: 1 MB**

Crescendo-diminuendo, 3 sec.
2 velocity layers: 0–88 p; 89–127 f

13 Tr-3_mu_pfp_4s **Samples: 28** **RAM: 1 MB**

Crescendo-diminuendo, 4 sec.
2 velocity layers: 0–88 p; 89–127 f

14 Tr-3_mu_pfp_6s **Samples: 28** **RAM: 1 MB**

Crescendo-diminuendo, 6 sec.
2 velocity layers: 0–88 p; 89–127 f

21 Tr-3_mu_fp **Samples: 27** **RAM: 1 MB**

Fortepiano
1 velocity layer
2 Alternations

22 Tr-3_mu_sfz **Samples: 27** **RAM: 1 MB**

Sforzato
1 velocity layer
2 Alternations

23 Tr-3_mu_sffz **Samples: 27** **RAM: 1 MB**

Sforzatissimo
1 velocity layer
2 Alternations

03 FLATTER Range: F#3–C#6

Flutter tonguing, normal and crescendo

01 Tr-3_mu_flatter **Samples: 28** **RAM: 1 MB**

Flutter tonguing
1 velocity layer: 0–127 f
Release samples

02 Tr-3_mu_flatter_cre **Samples: 14** **RAM: 1 MB**

Flutter tonguing, crescendo
1 velocity layer

10 PERF INTERVAL Range: F#3–C6

Interval performances
Legato and marcato

01 Tr-3_mu_perf-legato **Samples: 668** **RAM: 41 MB**

Legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

04 Tr-3_mu_perf-marcato **Samples: 668** **RAM: 41 MB**

Marcato
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

11 PERF REPETITION Range: F#3–C#6

Repetition performances
Legato
Portato
Staccato slow and fast
Normal and dynamics

01 Tr-3_mu_perf-rep_leg **Samples: 140** **RAM: 8 MB**

Legato
2 velocity layers: 0–88 p; 89–127 f

02 Tr-3_mu_perf-rep_por **Samples: 252** **RAM: 15 MB**

Portato
2 velocity layers: 0–88 p; 89–127 f

03 Tr-3_mu_perf-rep_sta-sl **Samples: 252** **RAM: 15 MB**

Staccato, slow
2 velocity layers: 0–88 p; 89–127 f

04 Tr-3_mu_perf-rep_sta-fa **Samples: 252** **RAM: 15 MB**

Staccato, fast
2 velocity layers: 0–88 p; 89–127 f

21 Tr-3_mu_perf-rep_dyn5_leg **Samples: 140** **RAM: 8 MB**

Legato dynamics, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

22 Tr-3_mu_perf-rep_dyn9_por **Samples: 252** **RAM: 15 MB**

Portato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

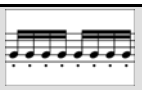
23 Tr-3_mu_perf-rep_dyn9_sta-sl **Samples: 252** **RAM: 15 MB**

Staccato dynamics, slow, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

24 Tr-3_mu_perf-rep_dyn9_sta-fa **Samples: 252** **RAM: 15 MB**

Staccato dynamics, fast, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

12 FAST REPETITION



Range: F#3–C#6

Staccato, 9 repetitions, 140 to 190 BPM
Normal and dynamics

01 Tr-3_mu_fast-rep_140 (150/160/170/180/190) **Samples: 56**
RAM: 3 MB

Staccato repetitions, 140–190 BPM
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 Tr-3_mu_fast-rep_140_dyn (150/160/170/180/190) **Samples: 28**
RAM: 1 MB

Staccato repetitions, dynamics, 140–190 BPM
1 velocity layer
AB switch: crescendo/diminuendo

13 UPBEAT REPETITIONS

1–3 upbeats, 90–140, 160, 180, and 200 BPM

A Single Upbeat

Range: F#3–C#6

01 Tr-3_mu_UB-a1_90 (100/110/120/130/140/160/180/200) **Samples: 28** **RAM: 1 MB**

1 upbeat, 90–140, 160, 180, and 200 BPM
2 velocity layers: 0–88 p; 89–127 f

B Double Upbeats

Range: F#3–C#6

01 Tr-3_mu_UB-a2_90 (100/110/120/130/140/160/180/200) **Samples: 28** **RAM: 1 MB**

2 upbeats, 90–140, 160, 180, and 200 BPM
2 velocity layers: 0–88 p; 89–127 f

C Triple Upbeats — Range: F#3–C#6

01 Tr-3_mu_UB-a3_90 (100/110/120/130/140/160/180/200) — **Samples: 28** — **RAM: 1 MB**

3 upbeats, 90–140, 160, 180, and 200 BPM
2 velocity layers: 0–88 p; 89–127 f

98 RESOURCES

Isolated dynamics repetitions: Legato, portato, and staccato
Single layer long notes

01 Perf Rep dyn — Range: F#3–C#6

01 Tr-3_mu_rep_cre5_leg-1 (2/3/4/5) — **Samples: 14** — **RAM: 1 MB**

Extracted repetitions: Legato, crescendo, 1st to 5th note
1 velocity layer

01 Tr-3_mu_rep_dim5_leg-1 (2/3/4/5) — **Samples: 14** — **RAM: 1 MB**

Extracted repetitions: Legato, diminuendo, 1st to 5th note
1 velocity layer

02 Tr-3_mu_rep_cre9_por-1 (2/3/4/5/6/7/8/9) — **Samples: 14** — **RAM: 1 MB**

Extracted repetitions: Portato, crescendo, 1st to 9th note
1 velocity layer

02 Tr-3_mu_rep_dim9_por-1 (2/3/4/5/6/7/8/9) — **Samples: 14** — **RAM: 1 MB**

Extracted repetitions: Portato, diminuendo, 1st to 9th note
1 velocity layer

03 Tr-3_mu_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) — **Samples: 14** — **RAM: 1 MB**

Extracted repetitions: Staccato, crescendo, 1st to 9th note
1 velocity layer

03 Tr-3_mu_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) — **Samples: 14** — **RAM: 1 MB**

Extracted repetitions: Staccato, diminuendo, 1st to 9th note
1 velocity layer

02 Long Notes - Single Layer — Range: F#3–C#6

01 Tr-3_mu_sus-p — **Samples: 28** — **RAM: 1 MB**

Sustained, piano
1 velocity layer
Release samples

02 Tr-3_mu_sus-mf — **Samples: 28** — **RAM: 1 MB**

Sustained, mezzoforte
1 velocity layer
Release samples

03 Tr-3_mu_sus-f **Samples: 28** **RAM: 1 MB**

Sustained, forte
1 velocity layer
Release samples

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 Tr-3_mu Articulation Combi **Samples: 572** **RAM: 35 MB**

Single note articulations
Staccato, portato short, sustained, crescendo-diminuendo 2 and 4 sec., fortepiano and sforzato, flutter tonguing normal and crescendo

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	stac	sus	pfp 2s.	fp	flutter
V2	port. short	sus	pfp 4s.	sfz	flutter cres.

Matrix - LEVEL 2 A - Advanced

01 Tr-3_mu Perf-Universal **Samples: 1294** **RAM: 80 MB**

Interval performances
Legato and marcato
Monophonic

Matrix switches: Vertical: Modwheel, 2 zones

	H1
V1	legato
V2	marcato

02 Tr-3_mu Short+Long notes **Samples: 582** **RAM: 36 MB**

Single notes
Staccato, portato short and medium,
sustained

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
V1	staccato	port. short	port.med.	sustained

Matrix - LEVEL 2 B - Standard

11 Tr-3_mu Dynamics - Small — Samples: 165 — RAM: 10 MB

Dynamics
Strong crescendo and diminuendo, 2, 3, and 4 sec.
Fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
dyn. strong	2 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

12 Tr-3_mu Dynamics - Large — Samples: 305 — RAM: 19 MB

Dynamics
Strong crescendo and diminuendo, 2, 3, 4, and 6 sec.
Crescendo-diminuendo, 2, 3, 4, and 6 sec.
Fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1
dyn. strong	2 sec.	3 sec.	4 sec.	6 sec.
pfp	2 sec.	3 sec.	4 sec.	6sec.
fp/sfz/sffz	fp	sfz	sffz	sffz

13 Tr-3_mu Flatter — Samples: 42 — RAM: 2 MB

Flutter tonguing
Normal, crescendo, and normal/crescendo with Cell crossfading

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
flutter	normal	crescendo	Cell XF

Matrix - LEVEL 2 C - Repetitions

31 Tr-3_mu Perf-Repetitions - Combi — Samples: 896 — RAM: 56 MB

Repetition performances
Legato, portato, and staccato slow and fast

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
V1	legato	portato	staccato slow	staccato fast

32 Tr-3_mu Perf-Repetitions - Speed — Samples: 896 — RAM: 56 MB

Repetition performances
Legato, portato, and staccato slow and fast
Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
V1	legato	portato	staccato slow	staccato fast

33 Tr-3_mu Fast-Repetitions — Samples: 196 — RAM: 12 MB

Staccato repetitions, 140–190 BPM

	C1	C#1	D1	D#1	E1	F1
speed/BPM	140	150	160	170	180	190

34 Tr-3_mu Upbeats a1 — Samples: 252 — RAM: 15 MB

Repetitions: 1 upbeat, 90–140, 160, 180, and 200 BPM

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
speed/BPM	90	100	110	120	130	140	160	180	200

35 Tr-3_mu Upbeats a2 — Samples: 252 — RAM: 15 MB

Repetitions: 2 upbeats, 90–140, 160, 180, and 200 BPM

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
speed/BPM	90	100	110	120	130	140	160	180	200

36 Tr-3_mu Upbeats a3 — Samples: 252 — RAM: 15 MB

Repetitions: 3 upbeats, 90–140, 160, 180, and 200 BPM

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
speed/BPM	90	100	110	120	130	140	160	180	200

37 Tr-3_mu Upbeats all — Samples: 756 — RAM: 47 MB

Repetitions: 1–3 upbeats, 90–140, 160, 180, and 200 BPM

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
1 upbeat	90	100	110	120	130	140	160	180	200
2 upbeats	90	100	110	120	130	140	160	180	200
3 upbeats	90	100	110	120	130	140	160	180	200

Matrix - LEVEL 2 E - Keyswitch Vel

71 Tr-3_mu Legato - cre5 — Samples: 70 — RAM: 4 MB

Legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

72 Tr-3_mu Portato - cre9 — Samples: 126 — RAM: 7 MB

Portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

73 Tr-3_mu Staccato - cre9 — Samples: 126 — RAM: 7 MB

Staccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

74 Tr-3_mu Combi - cre9 — Samples: 252 — RAM: 15 MB

Portato and staccato: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

75 Tr-3_mu Legato - dim5 — Samples: 70 — RAM: 4 MB

Legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

76 Tr-3_mu Portato - dim9 — Samples: 126 — RAM: 7 MB

Portato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

77 Tr-3_mu Staccato - dim9 — Samples: 126 — RAM: 7 MB

Staccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

78 Tr-3_mu Combi - dim9 — Samples: 252 — RAM: 15 MB

Portato and staccato: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

Presets

Tr-3_mu VSL Preset Level 1 **Samples: 572** **RAM: 35 MB**

L1 Tr-3_mu Articulation Combi

Tr-3_mu VSL Preset Level 2 **Samples: 2944** **RAM: 184 MB**

01 Tr-3_mu Perf-Universal
01 Tr-3_mu Perf-Universal
L1 Tr-3_mu Articulation Combi
31 Tr-3_mu Perf-Repetitions - Combi
74 Tr-3_mu Combi - cre9
Preset keyswitches: C2–E2

Tenor Trombone Mute – Standard Library

Patches

12D Tenor trombone mute A — Range: C2–D5

Single notes: Staccato, portato, sustained, flutter tonguing
Dynamics: Fortepiano, sforzato, crescendo-diminuendo 2 and 5 sec.
Interval performances: Legato
Repetition performances: Legato, portato, staccato
Fast repetitions: 150/170/190 BPM

01D TTB-muA staccato — **Samples: 198** **RAM: 12 MB**

Staccato
3 velocity layers: 0–55 p; 56–108 f; 109–127 ff
4 Alternations

02D TTB-muA portato — **Samples: 198** **RAM: 12 MB**

Portato
3 velocity layers: 0–55 pp; 56–108 mp; 109–127 mf
4 Alternations

03D TTB-muA sustain — **Samples: 102** **RAM: 6 MB**

Sustained
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

05D TTB-muA fp — **Samples: 33** **RAM: 2 MB**

Fortepiano
1 velocity layer
2 Alternations

06D TTB-muA sfz — **Samples: 33** **RAM: 2 MB**

Sforzato
1 velocity layer
2 Alternations

07D TTB-muA pfp_2s — **Samples: 34** **RAM: 2 MB**

Crescendo-diminuendo, 2 sec.
2 velocity layers: 0–88 p; 89–127 f

08D TTB-muA pfp_4s — **Samples: 34** **RAM: 2 MB**

Crescendo-diminuendo, 5 sec.
2 velocity layers: 0–88 p; 89–127 f

09D TTB-muA flatter — **Samples: 66** **RAM: 4 MB**

Flutter tonguing
1 velocity layer: 0–127 f
Release samples

21D TTB-muA legato **Range: C2–C5** **Samples: 775** **RAM: 48 MB**

Interval performances: Legato
2 velocity layers: 0–88 p; 89–127 f
Release samples

23D TTB-muA perf-rep legato **Samples: 170** **RAM: 10 MB**

Repetition performances: Legato
2 velocity layers: 0–88 p; 89–127 f

24D TTB-muA perf-rep portato **Samples: 306** **RAM: 19 MB**

Repetition performances: Portato
2 velocity layers: 0–88 p; 89–127 f

25D TTB-muA perf-rep staccato **Samples: 306** **RAM: 19 MB**

Repetition performances: Staccato
2 velocity layers: 0–88 p; 89–127 f

26D TTB-muA fast-rep BPM-150 (170/190) **Samples: 68** **RAM: 4 MB**

Fast repetitions, 150/170/190 BPM
2 velocity layers: 0–88 p; 89–127 f
Release samples

99 Release patches - no playback

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

12D Tenor trombone mute B Range: C2–D5

Single notes: Staccato, portato, sustained, flutter tonguing
Dynamics: Fortepiano, sforzato, crescendo-diminuendo 2 and 5 sec.
Interval performances: Legato
Repetition performances: Legato, portato, staccato
Fast repetitions: 150/170/190 BPM

01D TTB-muB staccato **Samples: 198** **RAM: 12 MB**

Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

02D TTB-muB portato **Samples: 198** **RAM: 12 MB**

Portato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

03D TTB-muB sustain **Samples: 102** **RAM: 6 MB**

Sustained
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

05D TTB-muB fp **Range: C2–C#5** **Samples: 33** **RAM: 2 MB**

Fortepiano
1 velocity layer
2 Alternations

06D TTB-muB sfz **Range: C2–C#5** **Samples: 33** **RAM: 2 MB**

Sforzato
1 velocity layer
2 Alternations

07D TTB-muB pfp_2s **Samples: 34** **RAM: 2 MB**

Crescendo-diminuendo, 2 sec.
2 velocity layers: 0–88 p-mf; 89–127 mf-f

08D TTB-muB pfp_4s **Samples: 34** **RAM: 2 MB**

Crescendo-diminuendo, 5 sec.
2 velocity layers: 0–88 p; 89–127 f

09D TTB-muB flatter **Samples: 66** **RAM: 4 MB**

Flutter tonguing
1 velocity layer: 0–127 p
Release samples

21D TTB-muB legato **Range: C2–C5** **Samples: 775** **RAM: 48 MB**

Interval performances: Legato
2 velocity layers: 0–88 p; 89–127 f
Release samples

23D TTB-muB perf-rep legato **Samples: 170** **RAM: 10 MB**

Repetition performances: Legato
2 velocity layers: 0–88 p; 89–127 f

24D TTB-muB perf-rep portato **Samples: 306** **RAM: 19 MB**

Repetition performances: Portato
2 velocity layers: 0–88 p; 89–127 f

25D TTB-muB perf-rep staccato **Samples: 306** **RAM: 19 MB**

Repetition performances: Staccato
2 velocity layers: 0–88 p; 89–127 f

26D TTB-muB fast-rep BPM-150 (170/190) **Samples: 68** **RAM: 4 MB**

Fast repetitions, 150/170/190 BPM
2 velocity layers: 0–88 p; 89–127 f
Release samples

99 Release patches - no playback

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

12D Tenor trombone mute

Tenor trombone mute A - all **Samples: 2306** **RAM: 144 MB**

The Matrix contains all Patches of Trombone A.

Matrix switches: Horizontal: Keyswitches, C6–G6 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	stac	sus progr. vib.	pfp no vib. 2s.	fp	flutter
V2	port. short	sus no vib.	pfp no vib. 4s.	sfz	flutter

Tenor trombone mute B - all **Samples: 2306** **RAM: 144 MB**

The Matrix contains all Patches of Trombone B.

Matrix switches: Horizontal: Keyswitches, C6–E6 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	stac	sus progr. vib.	pfp no vib. 2s.	fp	flutter
V2	port. short	sus no vib.	pfp no vib. 4s.	sfz	flutter cres.

Presets

12D Tenor trombone mute

Tenor trombone mute A **Samples: 2306** **RAM: 144 MB**

Matrix: Tenor trombone mute A - all

Tenor trombone mute B **Samples: 2306** **RAM: 144 MB**

Matrix: Tenor trombone mute B - all

Tenor Trombone Mute – Full Library

56 Tenor trombone - mute A

Patches

01 SHORT + LONG NOTES **Range: C2–D5**

Staccato
Portato short, medium, and long with vibrato
Sustained without and with progressive vibrato

01 TTB-muA_staccato **Samples: 198** **RAM: 12 MB**

Staccato
3 velocity layers: 0–55 p; 56–108 f; 109–127 ff
4 Alternations

02 TTB-muA_portato_short **Samples: 198** **RAM: 12 MB**

Portato, short
3 velocity layers: 0–55 pp; 56–108 mp; 109–127 mf
4 Alternations

03 TTB-muA_portato_medium **Samples: 198** **RAM: 12 MB**

Portato, medium
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

04 TTB-muA_portato_long_Vib **Samples: 68** **RAM: 4 MB**

Portato, long, with vibrato
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 TTB-muA_sus_Vib_progr **Samples: 102** **RAM: 6 MB**

Sustained, progressive vibrato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

12 TTB-muA_sus_noVib **Samples: 102** **RAM: 6 MB**

Sustained, without vibrato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

02 DYNAMICS Range: C2–D5

Medium dynamics with vibrato, 1.5, 2, 3, and 4 sec.
Medium dynamics without vibrato, 1.5, 2, 3, 4 and 6 sec.
Crescendo-diminuendo without vibrato, 2, 3, and 4 sec.
Fortepiano, sforzato, sforzatissimo

01 TTB-muA_dyn-me_Vib_1'5s **Samples: 68** **RAM: 4 MB**

Medium crescendo and diminuendo with vibrato, 1.5 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

02 TTB-muA_dyn-me_Vib_2s **Samples: 68** **RAM: 4 MB**

Medium crescendo and diminuendo with vibrato, 2 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

03 TTB-muA_dyn-me_Vib_3s **Samples: 68** **RAM: 4 MB**

Medium crescendo and diminuendo with vibrato, 3 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

04 TTB-muA_dyn-me_Vib_4s **Samples: 68** **RAM: 4 MB**

Medium crescendo and diminuendo with vibrato, 4 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

11 TTB-muA_dyn-me_noVib_1'5s **Samples: 68** **RAM: 4 MB**

Medium crescendo and diminuendo without vibrato, 1.5 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

12 TTB-muA_dyn-me_noVib_2s **Samples: 68** **RAM: 4 MB**

Medium crescendo and diminuendo without vibrato, 2 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

13 TTB-muA_dyn-me_noVib_3s **Samples: 68** **RAM: 4 MB**

Medium crescendo and diminuendo without vibrato, 3 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

14 TTB-muA_dyn-me_noVib_4s **Samples: 68** **RAM: 4 MB**

Medium crescendo and diminuendo without vibrato, 4 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

15 TTB-muA_dyn-me_noVib_6s **Samples: 68** **RAM: 4 MB**

Medium crescendo and diminuendo without vibrato, 6 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

21 TTB-muA_pfp_noVib_2s **Samples: 34** **RAM: 2 MB**

Crescendo-diminuendo without vibrato, 2 sec.
2 velocity layers: 0–88 p; 89–127 f

22 TTB-muA_pfp_noVib_3s **Samples: 34** **RAM: 2 MB**

Crescendo-diminuendo without vibrato, 3 sec.
2 velocity layers: 0–88 p; 89–127 f

23 TTB-muA_pfp_noVib_4s **Samples: 34** **RAM: 2 MB**

Crescendo-diminuendo without vibrato, 4 sec.
2 velocity layers: 0–88 p; 89–127 f

31 TTB-muA_fp **Samples: 33** **RAM: 2 MB**

Fortepiano
1 velocity layer
2 Alternations

32 TTB-muA_sfz **Samples: 33** **RAM: 2 MB**

Sforzato
1 velocity layer
2 Alternations

33 TTB-muA_sffz **Samples: 33** **RAM: 2 MB**

Sforzatissimo
1 velocity layer
2 Alternations

03 FLATTER Range: C2–D5

01 TTB-muA_flatter **Samples: 66** **RAM: 4 MB**

Flutter tonguing
1 velocity layer: 0–127 f
Release samples

10 PERF INTERVAL Range: C2–C5

Interval performances
Legato and marcato

01 TTB-muA_perf-legato **Samples: 758** **RAM: 47 MB**

Legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 TTB-muA_perf-marcato **Samples: 758** **RAM: 47 MB**

Marcato
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

11 PERF REPETITION Range: C2–D5

Repetition performances
Legato, portato, staccato
normal and dynamics

01 TTB-muA_perf-rep_leg **Samples: 170** **RAM: 10 MB**

Legato
2 velocity layers: 0–88 p; 89–127 f

02 TTB-muA_perf-rep_por **Samples: 306** **RAM: 19 MB**

Portato
2 velocity layers: 0–88 p; 89–127 f

03 TTB-muA_perf-rep_sta **Samples: 306** **RAM: 19 MB**

Staccato
2 velocity layers: 0–88 p; 89–127 f

11 TTB-muA_perf-rep_dyn5_leg **Samples: 170** **RAM: 10 MB**

Legato dynamics, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

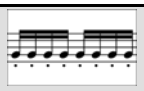
12 TTB-muA_perf-rep_dyn9_por **Samples: 306** **RAM: 19 MB**

Portato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

13 TTB-muA_perf-rep_dyn9_sta **Samples: 306** **RAM: 19 MB**

Staccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

12 FAST REPETITION Range: C2–D5



Fast repetitions
140–190 BPM, normal and dynamics

01 TTB-muA_fast-rep_140 (150/160/170/180/190) **Samples: 68** **RAM: 4 MB**

Staccato repetitions, 140–190 BPM
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 TTB-muA_fast-rep_140_dyn (150/160/170/180/190) **Samples: 34** **RAM: 2 MB**

Staccato repetitions, dynamics, 140–190 BPM
1 velocity layer
AB switch: crescendo/diminuendo

13 UPBEAT REPETITION

Single, double, and triple upbeats, 90–180 BPM

A Single Upbeat — Range: C2–D5

01 TTB-muA_UB-a1_90 (100/110/120/130/140) **Samples: 34** **RAM: 2 MB**

1 upbeat, 90–140 BPM
2 velocity layers: 0–88 p; 89–127 f

B Double Upbeats — Range: C2–D5

01 TTB-muA_UB-a2_90 (100/110/120/130/140/160/180) **Samples: 34** **RAM: 2 MB**

2 upbeats, 90–140, 160, and 180 BPM
2 velocity layers: 0–88 p; 89–127 f

C Triple Upbeats — Range: C2–D5

01 TTB-muA_UB-a3_90 (100/110/120/130/140/160/180) **Samples: 34** **RAM: 2 MB**

3 upbeats, 90–140, 160, and 180 BPM
2 velocity layers: 0–88 p; 89–127 f

98 RESOURCES

Isolated dynamics repetitions, legato, portato, staccato
Single layer long notes

01 Perf Rep dyn — Range: C2–D5

01 TTB-muA_rep_cre5_leg-1 (2/3/4/5) **Samples: 17** **RAM: 1 MB**

Extracted repetitions: Legato, crescendo, 1st to 5th note
1 velocity layer

01 TTB-muA_rep_dim5_leg-1 (2/3/4/5) **Samples: 17** **RAM: 1 MB**

Extracted repetitions: Legato, diminuendo, 1st to 5th note
1 velocity layer

02 TTB-muA_rep_cre9_por-1 (2/3/4/5/6/7/8/9) **Samples: 17** **RAM: 1 MB**

Extracted repetitions: Portato, crescendo, 1st to 9th note
1 velocity layer

02 TTB-muA_rep_dim9_por-1 (2/3/4/5/6/7/8/9) **Samples: 17**
RAM: 1 MB

Extracted repetitions: Portato, diminuendo, 1st to 9th note
1 velocity layer

03 TTB-muA_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) **Samples: 17** **RAM: 1 MB**

Extracted repetitions: Staccato, crescendo, 1st to 9th note
1 velocity layer

03 TTB-muA_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) **Samples: 17** **RAM: 1 MB**

Extracted repetitions: Staccato, diminuendo, 1st to 9th note
1 velocity layer

02 Long Notes - Single Layer Range: C2–D5

01 TTB-muA_sus_p_noVib **Samples: 34** **RAM: 2 MB**

Sustained, piano, without vibrato
1 velocity layer
Release samples

02 TTB-muA_sus_mf_noVib **Samples: 34** **RAM: 2 MB**

Sustained, mezzoforte, without vibrato
1 velocity layer
Release samples

03 TTB-muA_sus_f_noVib **Samples: 34** **RAM: 2 MB**

Sustained, forte, without vibrato
1 velocity layer
Release samples

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 TTB-muA Articulation Combi — Samples: 749 — RAM: 46 MB

Single note articulations
Staccato, portato short, sustained with progressive and without vibrato, crescendo-diminuendo without vibrato 2 and 4 sec., fortepiano and sforzato, flutter tonguing

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	stac	sus progr. vib.	pfp no vib. 2s.	fp	flutter
V2	port. short	sus no vib.	pfp no vib. 4s.	sfz	flutter

Matrix - LEVEL 2 A - Advanced

01 TTB-muA Perf-Universal — Samples: 1482 — RAM: 92 MB

Interval performances
Legato and marcato
Monophonic

Matrix switches: Vertical: Modwheel, 2 zones

	H1
V1	legato
V2	marcato

02 TTB-muA Short+Long notes — Samples: 747 — RAM: 46 MB

Single notes
Staccato, portato short and medium,
sustained with progressive and without vibrato

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
V1	staccato	port. short	port.med.	sus. progr. vib.
V2	staccato	port. short	port.med.	sus. no vib.

Matrix - LEVEL 2 B - Standard

11 TTB-muA Short notes — Samples: 662 — RAM: 41 MB

Single notes
Staccato, portato short and medium, portato long without vibrato

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
V1	staccato	port.short	port.med.	port.long no vib.

12 TTB-muA Long notes - All

Samples: 153 **RAM: 9 MB**

Single notes
Sustained with progressive and without vibrato

Matrix switches: Horizontal: Keyswitches, C1–C#1

	C1	C#1
sustained	progr. vib.	no vib.

13 TTB-muA Dynamics - Small

Samples: 303 **RAM: 18 MB**

Dynamics
Medium crescendo and diminuendo without vibrato, 2, 3, and 4 sec.
Fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
dyn.med. no vib.	2 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

14 TTB-muA Dynamics - Large

Samples: 609 **RAM: 38 MB**

Dynamics
Medium crescendo and diminuendo with and without vibrato, 2, 3, and 4 sec.
Crescendo-diminuendo without vibrato, 2, 3, and 4 sec.
Fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
dyn.med. vib.	2 sec.	3 sec.	4 sec.
dyn.med. no vib.	2 sec.	3 sec.	4 sec.
pfp no vib.	2 sec.	3 sec.	4 sec.
fp/sfz/sffz	fp	sfz	sffz

15 TTB-muA Flatter

Samples: 66 **RAM: 4 MB**

Patch: 01 TTB-muA_flatter

Matrix - LEVEL 2 C - Repetitions

31 TTB-muA Perf-Repetitions - Combi

Samples: 782 **RAM: 48 MB**

Repetition performances
Legato, portato, and staccato

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
V1	legato	portato	staccato

32 TTB-muA Perf-Repetitions - Speed

Samples: 782 **RAM: 48 MB**

Repetition performances
Legato, portato, and staccato
Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
V1	legato	portato	staccato

33 TTB-muA Fast-Repetitions

Samples: 204 **RAM: 12 MB**

Staccato repetitions, 140–170, and 190 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
speed/BPM	140	150	160	170	190

34 TTB-muA Upbeats a1

Samples: 204 **RAM: 12 MB**

Repetitions: 1 upbeat, 90–140 BPM

Matrix switches: Horizontal: Keyswitches, C1–F1

	C1	C#1	D1	D#1	E1	F1
speed/BPM	90	100	110	120	130	140

35 TTB-muA Upbeats a2

Samples: 272 **RAM: 17 MB**

Repetitions: 2 upbeats, 90–140, 160, and 180 BPM

Matrix switches: Horizontal: Keyswitches, C1–G1

	C1	C#1	D1	D#1	E1	F1	F#1	G1
speed/BPM	90	100	110	120	130	140	160	180

36 TTB-muA Upbeats a3

Samples: 272 **RAM: 17 MB**

Repetitions: 3 upbeats, 90–140, 160, and 180 BPM

Matrix switches: Horizontal: Keyswitches, C1–G1

	C1	C#1	D1	D#1	E1	F1	F#1	G1
speed/BPM	90	100	110	120	130	140	160	180

37 TTB-muA Upbeats all

Samples: 748 **RAM: 46 MB**

Repetitions: 1–3 upbeats, 90–140, 160, and 180 BPM

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

	C1	C#1	D1	D#1	E1	F1	F#1	G1
1 upbeat	90	100	110	120	130	140	140	140
2 upbeats	90	100	110	120	130	140	160	180
3 upbeats	90	100	110	120	130	140	160	180

Matrix - LEVEL 2 E - Keyswitch Vel

71 TTB-muA Legato - cre5 — Samples: 85 — RAM: 5 MB

Legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

72 TTB-muA Portato - cre9 — Samples: 153 — RAM: 9 MB

Portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

73 TTB-muA Staccato - cre9 — Samples: 153 — RAM: 9 MB

Staccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

74 TTB-muA Combi - cre9 — Samples: 306 — RAM: 19 MB

Portato and staccato: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

75 TTB-muA Legato - dim5 — Samples: 85 — RAM: 5 MB

Legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

76 TTB-muA Portato - dim9 — Samples: 153 — RAM: 9 MB

Portato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

77 TTB-muA Staccato - dim9

Samples: 153 **RAM: 9 MB**

Staccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

78 TTB-muA Combi - dim9

Samples: 306 **RAM: 19 MB**

Portato and staccato: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

Presets

TTB-muA VSL Preset Level 1

Samples: 749 **RAM: 46 MB**

L1 TTB-muA Articulation Combi

TTB-muA VSL Preset Level 2

Samples: 3285 **RAM: 205 MB**

01 TTB-muA Perf-Universal
01 TTB-muA Perf-Universal
L1 TTB-muA Articulation Combi
31 TTB-muA Perf-Repetitions - Combi
74 TTB-muA Combi - cre9
Preset keyswitches: C6–E6

56 Tenor trombone - mute B

Patches

01 SHORT + LONG NOTES — Range: C2–D5

Staccato
Portato short and medium
Sustained without and with progressive vibrato

01 TTB-muB_staccato — **Samples: 198** **RAM: 12 MB**

Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

02 TTB-muB_portato_short — **Samples: 198** **RAM: 12 MB**

Portato, short
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

03 TTB-muB_portato_medium — **Samples: 102** **RAM: 6 MB**

Portato, medium
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
2 Alternations

11 TTB-muB_sus_Vib_progr — **Samples: 102** **RAM: 6 MB**

Sustained, progressive vibrato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

12 TTB-muB_sus_noVib — **Samples: 102** **RAM: 6 MB**

Sustained, without vibrato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

02 DYNAMICS — Range: C2–D5

Medium dynamics with and without vibrato, 1.5, 2, 3, and 4 sec.
Crescendo-diminuendo without vibrato, 2, 3, and 4 sec.
Fortepiano, sforzato, sforzatissimo

01 TTB-muB_dyn-me_Vib_1'5s — **Samples: 68** **RAM: 4 MB**

Medium crescendo and diminuendo with vibrato, 1.5 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

02 TTB-muB_dyn-me_Vib_2s **Samples: 68** **RAM: 4 MB**

Medium crescendo and diminuendo with vibrato, 2 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

03 TTB-muB_dyn-me_Vib_3s **Samples: 68** **RAM: 4 MB**

Medium crescendo and diminuendo with vibrato, 3 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

04 TTB-muB_dyn-me_Vib_4s **Samples: 68** **RAM: 4 MB**

Medium crescendo and diminuendo with vibrato, 4 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

11 TTB-muB_dyn-me_noVib_1'5s **Samples: 68** **RAM: 4 MB**

Medium crescendo and diminuendo without vibrato, 1.5 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

12 TTB-muB_dyn-me_noVib_2s **Samples: 68** **RAM: 4 MB**

Medium crescendo and diminuendo without vibrato, 2 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

13 TTB-muB_dyn-me_noVib_3s **Samples: 68** **RAM: 4 MB**

Medium crescendo and diminuendo without vibrato, 3 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

14 TTB-muB_dyn-me_noVib_4s **Samples: 68** **RAM: 4 MB**

Medium crescendo and diminuendo without vibrato, 4 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

21 TTB-muB_pfp_noVib_2s **Samples: 34** **RAM: 2 MB**

Crescendo-diminuendo without vibrato, 2 sec.
2 velocity layers: 0–88 p-mf; 89–127 mf-f

22 TTB-muB_pfp_noVib_3s **Samples: 34** **RAM: 2 MB**

Crescendo-diminuendo without vibrato, 3 sec.
2 velocity layers: 0–88 p-mf; 89–127 mf-f

23 TTB-muB_pfp_noVib_4s **Samples: 34** **RAM: 2 MB**

Crescendo-diminuendo without vibrato, 4 sec.
2 velocity layers: 0–88 p; 89–127 f

31 TTB-muB_fp **Samples: 33** **RAM: 2 MB**

Fortepiano
1 velocity layer
2 Alternations

32 TTB-muB_sfz **Samples: 33** **RAM: 2 MB**

Sforzato
1 velocity layer
2 Alternations

33 TTB-muB_sffz **Samples: 33** **RAM: 2 MB**

Sforzatissimo
1 velocity layer
2 Alternations

03 FLATTER Range: C2–D5

Flutter tonguing, normal and crescendo

01 TTB-muB_flatter **Samples: 66** **RAM: 4 MB**

Flutter tonguing
1 velocity layer: 0–127 p
Release samples

02 TTB-muB_flatter_cre **Samples: 33** **RAM: 2 MB**

Flutter tonguing, crescendo
1 velocity layer

10 PERF INTERVAL Range: C2–C5

Interval performances
Legato and marcato

01 TTB-muB_perf-legato **Samples: 758** **RAM: 47 MB**

Legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 TTB-muB_perf-marcato **Samples: 758** **RAM: 47 MB**

Marcato
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

11 PERF REPETITION — Range: C2–D5

Repetition performances
Legato, portato, staccato
Normal and dynamics

01 TTB-muB_perf-rep_leg — **Samples: 170** — **RAM: 10 MB**

Legato
2 velocity layers: 0–88 p; 89–127 f

02 TTB-muB_perf-rep_por — **Samples: 306** — **RAM: 19 MB**

Portato
2 velocity layers: 0–88 p; 89–127 f

03 TTB-muB_perf-rep_sta — **Samples: 306** — **RAM: 19 MB**

Staccato
2 velocity layers: 0–88 p; 89–127 f

11 TTB-muB_perf-rep_dyn5_leg — **Samples: 170** — **RAM: 10 MB**

Legato dynamics, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

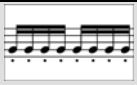
12 TTB-muB_perf-rep_dyn9_por — **Samples: 306** — **RAM: 19 MB**

Portato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

13 TTB-muB_perf-rep_dyn9_sta — **Samples: 306** — **RAM: 19 MB**

Staccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

12 FAST REPETITION — Range: C2–D5



Fast repetitions, 140–190 BPM
Normal and dynamics

01 TTB-muB_fast-rep_140 (150/160/170/180/190) — **Samples: 56** — **RAM: 3 MB**

Staccato repetitions, 140–190 BPM
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 TTB-muB_fast-rep_140_dyn (150/160/170/180/190) — **Samples: 34** — **RAM: 2 MB**

Staccato repetitions, dynamics, 140–190 BPM
1 velocity layer
AB switch: crescendo/diminuendo

13 UPBEAT REPETITION

Single, double, and triple upbeats, 90–180 BPM

A Single Upbeat — Range: C2–D5

01 TTB-muB_UB-a1_90 (100/110/120/130/140/160/180) — **Samples: 34** — **RAM: 2 MB**

1 upbeat, 90–140, 160, and 180 BPM
2 velocity layers: 0–88 p; 89–127 f

B Double Upbeats — Range: C2–D5

01 TTB-muB_UB-a2_90 (100/110/120/130/140/160/180) — **Samples: 34** — **RAM: 2 MB**

2 upbeats, 90–140, 160, and 180 BPM
2 velocity layers: 0–88 p; 89–127 f

C Triple Upbeats — Range: C2–D5

01 TTB-muB_UB-a3_90 (100/110/120/130/140/160/180) — **Samples: 34** — **RAM: 2 MB**

3 upbeats, 90–140, 160, and 180 BPM
2 velocity layers: 0–88 p; 89–127 f

98 RESOURCES

Isolated dynamics repetitions, legato, portato, staccato
Single layer long notes

01 Perf Rep dyn — Range: C2–D5

01 TTB-muB_rep_cre5_leg-1 (2/3/4/5) — **Samples: 17** — **RAM: 1 MB**

Extracted repetitions: Legato, crescendo, 1st to 5th note
1 velocity layer

01 TTB-muB_rep_dim5_leg-1 (2/3/4/5) — **Samples: 17** — **RAM: 1 MB**

Extracted repetitions: Legato, diminuendo, 1st to 5th note
1 velocity layer

02 TTB-muB_rep_cre9_por-1 (2/3/4/5/6/7/8/9) — **Samples: 17** — **RAM: 1 MB**

Extracted repetitions: Portato, crescendo, 1st to 9th note
1 velocity layer

02 TTB-muB_rep_dim9_por-1 (2/3/4/5/6/7/8/9) — **Samples: 17** — **RAM: 1 MB**

Extracted repetitions: Portato, diminuendo, 1st to 9th note
1 velocity layer

03 TTB-muB_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) **Samples: 17** **RAM: 1 MB**

Extracted repetitions: Staccato, crescendo, 1st to 9th note
1 velocity layer

03 TTB-muB_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) **Samples: 17** **RAM: 1 MB**

Extracted repetitions: Staccato, diminuendo, 1st to 9th note
1 velocity layer

02 Long Notes - Single Layer Range: C2–D5

01 TTB-muB_sus_p_noVib **Samples: 34** **RAM: 2 MB**

Sustained, piano, without vibrato
1 velocity layer
Release samples

02 TTB-muB_sus_mf_noVib **Samples: 34** **RAM: 2 MB**

Sustained, mezzoforte, without vibrato
1 velocity layer
Release samples

03 TTB-muB_sus_f_noVib **Samples: 34** **RAM: 2 MB**

Sustained, forte, without vibrato
1 velocity layer
Release samples

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 TTB-muB Articulation Combi — Samples: 782 — RAM: 48 MB

Single note articulations
Staccato, portato short, sustained with progressive and without vibrato, crescendo-diminuendo without vibrato 2 and 4 sec., fortepiano and sforzato, flutter tonguing normal and crescendo

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	stac	sus progr. vib.	pfp no vib. 2s.	fp	flutter
V2	port. short	sus no vib.	pfp no vib. 4s.	sfz	flutter cres.

Matrix - LEVEL 2 A - Advanced

01 TTB-muB Perf-Universal — Samples: 1482 — RAM: 92 MB

Interval performances
Legato and marcato
Monophonic

Matrix switches: Vertical: Modwheel, 2 zones

	H1
V1	legato
V2	marcato

02 TTB-muB Short+Long notes — Samples: 651 — RAM: 40 MB

Single notes
Staccato, portato short and medium,
sustained with progressive and without vibrato

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
V1	staccato	port. short	port.med.	sus. progr. vib.
V2	staccato	port. short	port.med.	sus. no vib.

Matrix - LEVEL 2 B - Standard

11 TTB-muB Short notes — Samples: 498 — RAM: 31 MB

Single notes
Staccato, portato short and medium

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
V1	staccato	port.short	port.med.

12 TTB-muB Long notes - All — Samples: 153 — RAM: 9 MB

Single notes
Sustained with progressive and without vibrato

Matrix switches: Horizontal: Keyswitches, C1–C#1

	C1	C#1
sustained	progr. vib.	no vib.

13 TTB-muB Dynamics - Small — Samples: 303 — RAM: 18 MB

Dynamics
Medium crescendo and diminuendo without vibrato, 2, 3, and 4 sec.
Fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
dyn.med. no vib.	2 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

14 TTB-muB Dynamics - Large — Samples: 609 — RAM: 38 MB

Dynamics
Medium crescendo and diminuendo with and without vibrato, 2, 3, and 4 sec.
Crescendo-diminuendo without vibrato, 2, 3, and 4 sec.
Fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
dyn.med. vib.	2 sec.	3 sec.	4 sec.
dyn.med. no vib.	2 sec.	3 sec.	4 sec.
pfp no vib.	2 sec.	3 sec.	4 sec.
fp/sfz/sffz	fp	sfz	sffz

15 TTB-muB Flatter — Samples: 99 — RAM: 6 MB

Flutter tonguing
Normal, crescendo, and normal/crescendo with Cell crossfading

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
flutter	normal	crescendo	Cell XF

Matrix - LEVEL 2 C - Repetitions

31 TTB-muB Perf-Repetitions - Combi — Samples: 782 — RAM: 48 MB

Repetition performances
Legato, portato, and staccato

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
V1	legato	portato	staccato

32 TTB-muB Perf-Repetitions - Speed

Samples: 782 **RAM: 48 MB**

Repetition performances
Legato, portato, and staccato
Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
V1	legato	portato	staccato

33 TTB-muB Fast-Repetitions

Samples: 204 **RAM: 12 MB**

Staccato repetitions, 140–170, and 190 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
speed/BPM	140	150	160	170	190

34 TTB-muB Upbeats a1

Samples: 204 **RAM: 12 MB**

Repetitions: 1 upbeat, 90–140 BPM

Matrix switches: Horizontal: Keyswitches, C1–F1

	C1	C#1	D1	D#1	E1	F1
speed/BPM	90	100	110	120	130	140

35 TTB-muB Upbeats a2

Samples: 272 **RAM: 17 MB**

Repetitions: 2 upbeats, 90–140, 160, and 180 BPM

Matrix switches: Horizontal: Keyswitches, C1–G1

	C1	C#1	D1	D#1	E1	F1	F#1	G1
speed/BPM	90	100	110	120	130	140	160	180

36 TTB-muB Upbeats a3

Samples: 272 **RAM: 17 MB**

Repetitions: 3 upbeats, 90–140, 160, and 180 BPM

Matrix switches: Horizontal: Keyswitches, C1–G1

	C1	C#1	D1	D#1	E1	F1	F#1	G1
speed/BPM	90	100	110	120	130	140	160	180

37 TTB-muB Upbeats all

Samples: 748 **RAM: 46 MB**

Repetitions: 1–3 upbeats, 90–140, 160, and 180 BPM

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

	C1	C#1	D1	D#1	E1	F1	F#1	G1
1 upbeat	90	100	110	120	130	140	140	140
2 upbeats	90	100	110	120	130	140	160	180
3 upbeats	90	100	110	120	130	140	160	180

Matrix - LEVEL 2 E - Keyswitch Vel

71 TTB-muB Legato - cre5 — Samples: 85 — RAM: 5 MB

Legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

72 TTB-muB Portato - cre9 — Samples: 153 — RAM: 9 MB

Portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

73 TTB-muB Staccato - cre9 — Samples: 153 — RAM: 9 MB

Staccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

74 TTB-muB Combi - cre9 — Samples: 306 — RAM: 19 MB

Portato and staccato: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

75 TTB-muB Legato - dim5 — Samples: 85 — RAM: 5 MB

Legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

76 TTB-muB Portato - dim9 — Samples: 153 — RAM: 9 MB

Portato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

77 TTB-muB Staccato - dim9 — Samples: 153 — RAM: 9 MB

Staccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

78 TTB-muB Combi - dim9 — Samples: 306 — RAM: 19 MB

Portato and staccato: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

Presets

TTB-muB VSL Preset Level 1 — Samples: 782 — RAM: 48 MB

L1 TTB-muB Articulation Combi

TTB-muB VSL Preset Level 2 — Samples: 3318 — RAM: 207 MB

01 TTB-muB Perf-Universal
01 TTB-muB Perf-Universal
L1 TTB-muB Articulation Combi
31 TTB-muB Perf-Repetitions - Combi
74 TTB-muB Combi - cre9
Preset keyswitches: C6–E6

Trombone Ensemble Mute – Standard Library

Patches

13D Trombone ens (3) mute — Range: C2–A4

Single notes: Staccato, portato, sustained, flutter tonguing normal and crescendo
Dynamics: Fortepiano, sforzato, crescendo-diminuendo 2 and 5 sec.
Interval performances: Legato
Repetition performances: Legato, portato, staccato
Fast repetitions: 150/170/190 BPM

01D TB-3_mu staccato — **Samples: 168** **RAM: 10 MB**

Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

02D TB-3_mu portato — **Samples: 174** **RAM: 10 MB**

Portato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

03D TB-3_mu sustain — **Samples: 90** **RAM: 5 MB**

Sustained
3 velocity layers: 0–55 pp; 56–108 mf; 109–127 f
Release samples

05D TB-3_mu fp — **Samples: 28** **RAM: 1 MB**

Fortepiano
1 velocity layer
2 Alternations

06D TB-3_mu sfz — **Samples: 29** **RAM: 1 MB**

Sforzato
1 velocity layer
2 Alternations

07D TB-3_mu pfp_2s — **Samples: 30** **RAM: 1 MB**

Crescendo-diminuendo, 2 sec.
2 velocity layers: 0–88 p; 89–127 f

08D TB-3_mu pfp_4s — **Samples: 30** **RAM: 1 MB**

Crescendo-diminuendo, 5 sec.
2 velocity layers: 0–88 p; 89–127 f

09D TB-3_mu flatter — **Samples: 58** **RAM: 3 MB**

Flutter tonguing
1 velocity layer: 0–127 f
Release samples

10D TB-3_mu flatter_cre **Samples: 29** **RAM: 1 MB**

Flutter tonguing, crescendo
1 velocity layer

21D TB-3_mu legato **Range: C2–G#4** **Samples: 612** **RAM: 38 MB**

Interval performances: Legato
2 velocity layers: 0–88 p; 89–127 f
Release samples

23D TB-3_mu perf-rep legato **Samples: 150** **RAM: 9 MB**

Repetition performances: Legato
2 velocity layers: 0–88 p; 89–127 f

24D TB-3_mu perf-rep portato **Samples: 270** **RAM: 16 MB**

Repetition performances: Portato
2 velocity layers: 0–88 p; 89–127 f

25D TB-3_mu perf-rep staccato **Samples: 270** **RAM: 16 MB**

Repetition performances: Staccato
2 velocity layers: 0–88 p; 89–127 f

26D TB-3_mu fast-rep BPM-150 (170/190) **Samples: 60** **RAM: 3 MB**

Fast repetitions, 150/170/190 BPM
2 velocity layers: 0–88 p; 89–127 f
Release samples

99 Release patches - no playback

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

13D Trombone ens (3) mute

Trombones (3) mute - all **Samples: 1924 RAM: 120 MB**

The Matrix contains all trombone ensemble Patches.

Matrix switches: Horizontal: Keyswitches, C6–G6 Vertical: Modwheel, 3 zones

	C6	C#6	D6	D#6	E6	F6	F#6	G6
V1	staccato	sustained	sforzato	legato	perf-rep. legato	(empty)	fast rep. 150 BPM	flutter tonguing
V2	portato	sustained	fortepiano	legato	perf-rep. portato	(empty)	fast rep. 170 BPM	flutter t., crescendo
V3	portato	sus. / stacc. attack	cres-dim 4 sec.	legato	perf-rep. staccato	(empty)	fast rep. 190 BPM	flutter t., crescendo

Presets

13D Trombone ens (3) mute

Trombones (3) mute **Samples: 1924 RAM: 120 MB**

Matrix: Trombones (3) mute - all

Trombone Ensemble Mute – Full Library

Patches

01 SHORT + LONG NOTES — Range: C2–A#4

Staccato
Portato short and medium
Sustained

01 TB-3_mu_staccato — **Samples: 168** — **RAM: 10 MB**

Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

02 TB-3_mu_portato_short — **Samples: 174** — **RAM: 10 MB**

Portato, short
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
4 Alternations

03 TB-3_mu_portato_medium — **Samples: 90** — **RAM: 5 MB**

Portato, medium
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
2 Alternations

11 TB-3_mu_sus — **Samples: 90** — **RAM: 5 MB**

Sustained
3 velocity layers: 0–55 pp; 56–108 mf; 109–127 f
Release samples

02 DYNAMICS — Range: C2–A#4

Strong dynamics, 2, 3, 4, and 6 sec.
Crescendo-diminuendo, 2, 3, 4, and 6 sec.
Fortepiano, sforzato, sforzatissimo

01 TB-3_mu_dyn-str_2s — **Samples: 30** — **RAM: 1 MB**

Strong crescendo and diminuendo, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

02 TB-3_mu_dyn-str_3s — **Samples: 30** — **RAM: 1 MB**

Strong crescendo and diminuendo, 3 sec.
1 velocity layer
AB switch: crescendo/diminuendo

03 TB-3_mu_dyn-str_4s **Samples: 30** **RAM: 1 MB**

Strong crescendo and diminuendo, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

04 TB-3_mu_dyn-str_6s **Samples: 30** **RAM: 1 MB**

Strong crescendo and diminuendo, 6 sec.
1 velocity layer
AB switch: crescendo/diminuendo

21 TB-3_mu_pfp_2s **Samples: 30** **RAM: 1 MB**

Crescendo-diminuendo, 2 sec.
2 velocity layers: 0–88 p; 89–127 f

22 TB-3_mu_pfp_3s **Samples: 30** **RAM: 1 MB**

Crescendo-diminuendo, 3 sec.
2 velocity layers: 0–88 p; 89–127 f

23 TB-3_mu_pfp_4s **Samples: 30** **RAM: 1 MB**

Crescendo-diminuendo, 4 sec.
2 velocity layers: 0–88 p; 89–127 f

24 TB-3_mu_pfp_6s **Samples: 30** **RAM: 1 MB**

Crescendo-diminuendo, 6 sec.
2 velocity layers: 0–88 p; 89–127 f

31 TB-3_mu_fp **Samples: 28** **RAM: 1 MB**

Fortepiano
1 velocity layer
2 Alternations

32 TB-3_mu_sfz **Samples: 29** **RAM: 1 MB**

Sforzato
1 velocity layer
2 Alternations

33 TB-3_mu_sffz **Samples: 28** **RAM: 1 MB**

Sforzatissimo
1 velocity layer
2 Alternations

03 FLATTER Range: C2–A#4

Flutter tonguing, normal and crescendo

01 TB-3_mu_flatter **Samples: 58** **RAM: 3 MB**

Flutter tonguing
1 velocity layer: 0–127 f
Release samples

02 TB-3_mu_flatter_cre **Samples: 29** **RAM: 1 MB**

Flutter tonguing, crescendo
1 velocity layer

10 PERF INTERVAL **Range: C2–G#4**

Interval performances
Legato and Marcato

01 TB-3_mu_perf-legato **Samples: 642** **RAM: 40 MB**

Legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 TB-3_mu_perf-marcato **Samples: 642** **RAM: 40 MB**

Marcato
Monophonic
2 velocity layers: 0–88 mp; 89–127 f
Release samples

11 PERF REPETITION **Range: C2–A#4**

Repetition performances
Legato, portato, staccato slow and fast
Normal and dynamics

01 TB-3_mu_perf-rep_leg **Samples: 150** **RAM: 9 MB**

Legato
2 velocity layers: 0–88 p; 89–127 f

02 TB-3_mu_perf-rep_por **Samples: 270** **RAM: 16 MB**

Portato
2 velocity layers: 0–88 p; 89–127 f

03 TB-3_mu_perf-rep_sta-sl **Samples: 270** **RAM: 16 MB**

Staccato, slow
2 velocity layers: 0–88 p; 89–127 f

04 TB-3_mu_perf-rep_sta-fa **Samples: 270** **RAM: 16 MB**

Staccato, fast
2 velocity layers: 0–88 p; 89–127 f

21 TB-3_mu_perf-rep_dyn5_leg **Samples: 150** **RAM: 9 MB**

Legato dynamics, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

22 TB-3_mu_perf-rep_dyn9_por **Samples: 270** **RAM: 16 MB**

Portato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

23 TB-3_mu_perf-rep_dyn9_sta-sl **Samples: 270** **RAM: 16 MB**

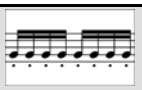
Staccato dynamics, slow, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

24 TB-3_mu_perf-rep_dyn9_sta-fa **Samples: 270** **RAM: 16 MB**

Staccato dynamics, fast, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

12 FAST REPETITION

Range: C2–A#4



01 TB-3_mu_fast-rep_140 (150/160/170/180/190) **Samples: 60** **RAM: 3 MB**

Staccato repetitions, 140–190 BPM
2 velocity layers: 0–88 p; 89–127 f
Release samples

13 UPBEAT REPETITION

Single, double, and triple upbeats, 90–180 BPM

A Single Upbeat

Range: C2–A#4

01 TB-3_mu_UB-a1_90 (100/110/120/130/140/150) **Samples: 30** **RAM: 1 MB**

1 upbeat, 90–150 BPM
2 velocity layers: 0–88 p; 89–127 f

B Double Upbeats

Range: C2–A#4

01 TB-3_mu_UB-a2_90 (100/110/120/130/140/160/180) **Samples: 30** **RAM: 1 MB**

2 upbeats, 90–140, 160, and 180 BPM
2 velocity layers: 0–88 p; 89–127 f

C Triple Upbeats

Range: C2–A#4

01 TB-3_mu_UB-a3_90 (100/110/120/130/140/160/180) **Samples: 30** **RAM: 1 MB**

3 upbeats, 90–140, 160, and 180 BPM
2 velocity layers: 0–88 p; 89–127 f

98 RESOURCES

Isolated dynamics repetitions, legato, portato, staccato
Single layer long notes

01 Perf Rep dyn — Range: C2–A#4

01 TB-3_mu-muB_rep_cre5_leg-1 (2/3/4/5) — **Samples: 15** — **RAM: 1 MB**

Extracted repetitions: Legato, crescendo, 1st to 5th note
1 velocity layer

01 TB-3_mu-muB_rep_dim5_leg-1 (2/3/4/5) — **Samples: 15** — **RAM: 1 MB**

Extracted repetitions: Legato, diminuendo, 1st to 5th note
1 velocity layer

02 TB-3_mu-muB_rep_cre9_por-1 (2/3/4/5/6/7/8/9) — **Samples: 15** — **RAM: 1 MB**

Extracted repetitions: Portato, crescendo, 1st to 9th note
1 velocity layer

02 TB-3_mu-muB_rep_dim9_por-1 (2/3/4/5/6/7/8/9) — **Samples: 15** — **RAM: 1 MB**

Extracted repetitions: Portato, diminuendo, 1st to 9th note
1 velocity layer

03 TB-3_mu-muB_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) — **Samples: 15** — **RAM: 1 MB**

Extracted repetitions: Staccato, crescendo, 1st to 9th note
1 velocity layer

03 TB-3_mu-muB_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) — **Samples: 15** — **RAM: 1 MB**

Extracted repetitions: Staccato, diminuendo, 1st to 9th note
1 velocity layer

02 Long Notes - Single Layer — Range: C2–A#4

01 TB-3_mu_sus-p — **Samples: 30** — **RAM: 1 MB**

Sustained, piano
1 velocity layer
Release samples

02 TB-3_mu_sus-mf — **Samples: 30** — **RAM: 1 MB**

Sustained, mezzoforte
1 velocity layer
Release samples

03 TB-3_mu_sus-f — **Samples: 30** — **RAM: 1 MB**

Sustained, forte
1 velocity layer
Release samples

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 TB-3_mu Articulation Combi — Samples: 636 RAM: 39 MB

Single note articulations
Staccato, portato short, sustained, crescendo-diminuendo 2 and 4 sec., fortepiano and sforzato, flutter tonguing normal and crescendo

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1
V1	stac	sus	pfp 2s.	fp	flutter
V2	port. short	sus	pfp 4s.	sfz	flutter cres.

Matrix - LEVEL 2 A - Advanced

01 TB-3_mu Perf-Universal — Samples: 1254 RAM: 78 MB

Interval performances
Legato and marcato
Monophonic

Matrix switches: Vertical: Modwheel, 2 zones

	H1
V1	legato
V2	marcato

02 TB-3_mu Short+Long notes — Samples: 522 RAM: 32 MB

Staccato
Portato short and medium
Sustained

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
V1	staccato	port. short	port.med.	sustained

Matrix - LEVEL 2 B - Standard

11 TB-3_mu Dynamics - Small — Samples: 175 RAM: 10 MB

Strong crescendo and diminuendo, 2, 3, and 4 sec.
Fortepiano, sforzato, sforzatissimo

	C1	C#1	D1
dyn. strong	2 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

12 TB-3_mu Dynamics - Large — Samples: 325 — RAM: 20 MB

Strong crescendo and diminuendo, 2, 3, 4, and 6 sec.
Crescendo-diminuendo, 2, 3, 4, and 6 sec.
Fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1
dyn. strong	2 sec.	3 sec.	4 sec.	6 sec.
pfp	2 sec.	3 sec.	4 sec.	6sec.
fp/sfz/sffz	fp	sfz	sffz	sffz

13 TB-3_mu Flatter — Samples: 87 — RAM: 5 MB

Flutter tonguing
Normal, crescendo, and normal/crescendo with Cell crossfading

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
flutter	normal	crescendo	Cell XF

Matrix - LEVEL 2 C - Repetitions

31 TB-3_mu Perf-Repetitions - Combi — Samples: 960 — RAM: 60 MB

Repetition performances
Legato, portato, and staccato slow and fast

Matrix switches: Horizontal: Keyswitches, C1–D#1

	C1	C#1	D1	D#1
V1	legato	portato	staccato slow	staccato fast

32 TB-3_mu Perf-Repetitions - Speed — Samples: 960 — RAM: 60 MB

Repetition performances
Legato, portato, and staccato slow and fast
Speed controller

Matrix switches: Horizontal: Speed, 4 zones

	H1	H2	H3	H4
V1	legato	portato	staccato slow	staccato fast

33 TB-3_mu Fast-Repetitions — Samples: 210 — RAM: 13 MB

Staccato repetitions, 140–190 BPM

Matrix switches: Horizontal: Keyswitches, C1–F1

	C1	C#1	D1	D#1	E1	F1
speed/BPM	140	150	160	170	180	190

34 TB-3_mu Upbeats a1 — Samples: 210 — RAM: 13 MB

Repetitions: 1 upbeat, 90–150 BPM

Matrix switches: Horizontal: Keyswitches, C1–F#1

	C1	C#1	D1	D#1	E1	F1	F#1
speed/BPM	90	100	110	120	130	140	150

35 TB-3_mu Upbeats a2 — Samples: 240 — RAM: 15 MB

Repetitions: 2 upbeats, 90–140, 160, and 180 BPM

Matrix switches: Horizontal: Keyswitches, C1–G1

	C1	C#1	D1	D#1	E1	F1	F#1	G1
speed/BPM	90	100	110	120	130	140	160	180

36 TB-3_mu Upbeats a3 — Samples: 224 — RAM: 14 MB

Repetitions: 3 upbeats, 90–140, 160, and 180 BPM

Matrix switches: Horizontal: Keyswitches, C1–G1

	C1	C#1	D1	D#1	E1	F1	F#1	G1
speed/BPM	90	100	110	120	130	140	160	180

37 TB-3_mu Upbeats all — Samples: 690 — RAM: 43 MB

Repetitions: 1–3 upbeats, 90–140, 160, and 180 BPM

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

	C1	C#1	D1	D#1	E1	F1	F#1	G1
1 upbeat	90	100	110	120	130	140	150	150
2 upbeats	90	100	110	120	130	140	160	180
3 upbeats	90	100	110	120	130	140	160	180

Matrix - LEVEL 2 E - Keyswitch Vel

71 TB-3_mu Legato - cre5 — Samples: 75 — RAM: 4 MB

Legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

72 TB-3_mu Portato - cre9 — Samples: 135 — RAM: 8 MB

Portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

73 TB-3_mu Staccato - cre9 — Samples: 135 — RAM: 8 MB

Staccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

74 TB-3_mu Combi - cre9 — Samples: 270 — RAM: 16 MB

Portato and staccato: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

75 TB-3_mu Legato - dim5 — Samples: 75 — RAM: 4 MB

Legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

76 TB-3_mu Portato - dim9 — Samples: 135 — RAM: 8 MB

Portato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

77 TB-3_mu Staccato - dim9 — Samples: 135 — RAM: 8 MB

Staccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

78 TB-3_mu Combi - dim9 — Samples: 270 — RAM: 16 MB

Portato and staccato: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

Presets

TB-3_mu VSL Preset Level 1 **Samples: 636** **RAM: 39 MB**

L1 TB-3_mu Articulation Combi

TB-3_mu VSL Preset Level 2 **Samples: 3090** **RAM: 193 MB**

01 TB-3_mu Perf-Universal
01 TB-3_mu Perf-Universal
L1 TB-3_mu Articulation Combi
31 TB-3_mu Perf-Repetitions - Combi
74 TB-3_mu Combi - cre9
Preset keyswitches: C6–E6