

Vienna Instruments
Solo Download Instruments
Trumpet in C
Full Library

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Introduction

Welcome to the Vienna Symphonic Library, and thank you for purchasing one of our Solo Download Instruments! This document contains the mapping information for the "Full" version of the Vienna Instruments Trumpet in C. 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.

"Full" Library

As opposed to the "Standard" versions of our Solo Download Instruments, the "Full" versions are identical with the corresponding instruments of a DVD Collection, i.e., they contain exactly the same samples, Patches, Matrices and Presets as the latter without any restrictions.

Installing a Download Instrument's Full version copies that instrument's sample content to a separate folder on your hard disk, so that it is not necessary to keep its Standard version installed – you may either delete it from your hard disk or at least remove it from the Directory Manager's list of activated instruments. In the Vienna Instruments Browser, the path of the Full version will be the same as that of the corresponding DVD Instrument, so that you can still see both versions as separate entries if you keep the Standard version installed.

Data paths and Patch name conventions

Since the Full versions of Download Instruments conform to the corresponding DVD Instruments, the data paths in your Vienna Instruments browser will be different than those of Standard Download or Special Edition Instruments. For instance, the path of the Standard Download Library of Flute 1 is "02D Flute-1", and all Patches can be found in this folder regardless of the articulation group they belong to. The Patch number is also marked with a "D" so that you immediately know it is a Download Instrument. In the Vienna Special Edition, Flute 1 is located in the folder "11 Flutes" together with the other flutes. Here, the Patch number is marked with an "S". The Full Download of Flute 1 is located in the subfolder "32 Flute" of the section "Woodwind Patches", which again contains subfolders grouping the Patches according to type, e.g., "01 SHORT + LONG NOTES", "02 DYNAMICS", etc. Patch names of the Full Download Library may differ from the corresponding ones of the Standard Download Library.

While Full Download Instruments contain all articulations of the corresponding DVD Instruments, their Patches are not divided into Standard and Extended content. The list of articulations further down which gives a summary of the Library's contents.

Special Patch configurations which sometimes are part of a Standard Download Instrument may be found in a reserved folder called "98 RESOURCES" in the Full Instrument. E.g., Flute 1 Standard contains the Patch "22D FL1 legato-sus"; in Flute 1 Full, this Patch is called "01 FL1_perf_leg_sustain" and is located in the Resources' subfolder "03 Perf Speed variation". (Apart from that, it also contains more samples.) Other articulations that can be found in the Resources folder are isolated dynamics repetitions in the subfolder "01 Perf Rep dyn" – e.g., the five repetitions of a legato crescendo, divided into separate Patches – and extracted velocity layers of sustained notes in the subfolder "02 Long Notes – Single Layer".

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., natural harmonics patches), the mapping layout will be shown in a detailed graphic.

Major and minor runs are always mapped to the keys of their scale, as are **arpeggios** to the keys of the broken chord played. **Grace notes** and **mordents** are mapped to their target note, i.e., the note the articulation ends with. Due to their nature, all **upward and downward articulations** (e.g., fixed glissandos and octave runs) have different mapping ranges – the upward movements ending the involved interval below the Patch's upper mapping range, while downward movements end the interval above its lower mapping range. (Please note that not all of the articulations mentioned above may be contained in your Collection.)

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.

Note: the Vienna Instruments PRO player software also allows you to play polyphonic Interval performances.

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

Matrix information

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

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.

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.

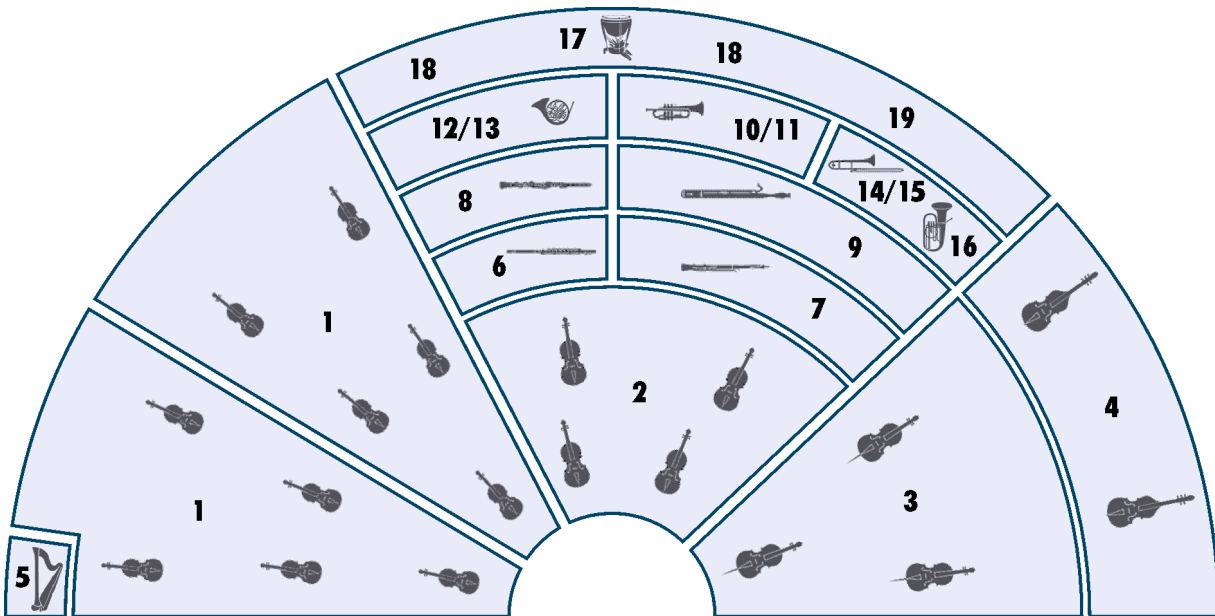
Abbreviation	Meaning	Abbreviation	Meaning
+	faster articulation (runs and arpeggios)	lo	long
150, 160, ...	150, 160, ... BPM (beats per minute)	ma	major
1s, 2s, ...	tone length 1 sec., 2 sec., ...	marc	marcato
acc	accelerando	me	medium
all	combination of all Patches of a category	mi	minor
arp	arpeggio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

Articulations

52 Trumpet-C	
01 SHORT + LONG NOTES	Staccato Portato short Portato medium, normal, marcato, and with soft attack Portato long, with light and strong vibrato, normal and marcato; without vibrato, normal, marcato, and with soft attack Sustained with light, strong, progressive, and without vibrato
02 DYNAMICS	Light crescendo and diminuendo without vibrato, 1.5, 2, 3, 4, and 6 sec. Medium crescendo and diminuendo with and without vibrato, 1.5 (no vib.), 2, 3, 4, and 6 sec. Strong crescendo and diminuendo with vibrato, 3 and 6 sec.; without vibrato, 2, 3, 4, and 6 sec. Pfp with vibrato, 4 and 8 sec. Pfp without vibrato, 4, 6, and 8 sec. Fortepiano, sforzato, sforzatissimo
03 FLATTER + TRILLS	Flutter tonguing, normal and crescendo Trills, minor and major 2nd, slow, fast and accelerando
10 PERF INTERVAL	Legato with and without vibrato, normal and with sustain crossfading Marcato
11 PERF INTERVAL FAST	Legato Marcato
12 PERF TRILL	Trills, legato, minor to major 2nd
13 PERF REPETITION	Legato slow and fast Portato Staccato slow and fast Dynamics for all repetitions
14 FAST REPETITION	Staccato, 9 repetitions, 140–170, 190, and 210 BPM Normal and dynamics
15 UPBEAT REPETITION	1 upbeat, 90–140, 160, and 180 BPM 2 and 3 upbeats, 90–140, 160, 180, and 200 BPM
16 GRACE NOTES	Grace notes, minor and major 2nd, up and down
17 SCALE RUNS	Octave runs, legato Major, C to B key, up and down
18 ARPEGGIOS	Arpeggios, staccato Diminished, major and minor from C to B key Up and down, 2 speeds for all
19 MORDENTS	Mordents, legato, up and down 6 variations each

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 | 9 Bassoon, contrabassoon |
| 2 Viola | 10/11 Trumpet |
| 3 Cello | 12/13 Horn |
| 4 Double bass | 14/15 Trombone |
| 5 Harp | 16 Tuba |
| 6 Concert flute, piccolo | 17 Timpani |
| 7 Oboe, English horn | 18 Drums, cymbals |
| 8 Clarinet, bass clarinet | 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.

52 Trumpet-C

The Instrument

Description

The trumpet is a brass wind instrument with a cup shaped mouthpiece. Along with the trumpet in Bb, the trumpet in C is most commonly used today.

In orchestral works, between two and four trumpets are usually called for today.

Range and notation

The trumpet in C has a standard range from F#3–C6 (in jazz up to F6 and higher).

Music for modern trumpets is written in treble clef. The trumpet in C is a non-transposing instrument, the sound is as written.

Sound characteristics

Metallic, bright (but also dark in the lower register), intense, heroic, brilliant, powerful and stately.

In its low register the trumpet is well-suited as a metallic, dark, precise and agile middle voice in the orchestra and as such offers an effective contrast to the soft horns in the same register.

In the middle register the instrument's sound comes into its own: brilliant, full, rounded, magnificent. A metallic brilliance that pervades the entire orchestra and cannot be achieved by any other instrument.


The highest notes sound bright, shrill, penetrating and vivid.

Combination with other instruments

The trumpet blends well with other brass instruments. In chords the trumpet and the trombone produce the typical brass sound.

In combination with the woodwinds and strings dynamic levels must be balanced carefully to ensure that the trumpet doesn't overrule the other instruments. Trumpets and clarinets in unison produce a clearer, brighter sound than any other combination.

Patches

01 SHORT + LONG NOTES		Range: E3–C#6		
01 TrC_staccato		Samples: 282	RAM: 17 MB	
Staccato 5 velocity layers 4 Alternations				
02 TrC_portato_short		Samples: 304	RAM: 19 MB	
Portato, short 5 velocity layers 4 Alternations				
03 TrC_portato_medium		Samples: 304	RAM: 19 MB	
Portato, medium 5 velocity layers 4 Alternations				
04 TrC_portato_medium_marc		Samples: 248	RAM: 15 MB	
Portato, medium, marcato 4 velocity layers 4 Alternations				
05 TrC_portato_medium_soft		Samples: 242	RAM: 15 MB	
Portato, medium, soft 4 velocity layers 4 Alternations				
06 TrC_portato_long-norm_Vib-light		Samples: 245	RAM: 15 MB	
Portato, long, normal, with light vibrato 5 velocity layers Release samples 2 Alternations				
07 TrC_portato_long-marc_Vib-light		Samples: 177	RAM: 11 MB	
Portato, long, marcato, with light vibrato 3 velocity layers Release samples 2 Alternations				
08 TrC_portato_long-norm_Vib-strong		Samples: 177	RAM: 11 MB	
Portato, long, normal, with strong vibrato 3 velocity layers Release samples 2 Alternations				

09 TrC_portato_long-marc_Vib-strong		Samples: 177	RAM: 11 MB
Portato, long, marcato, with strong vibrato 3 velocity layers Release samples 2 Alternations			
10 TrC_portato_long-norm_noVib		Samples: 245	RAM: 15 MB
Portato, long, normal, without vibrato 5 velocity layers Release samples 2 Alternations			
11 TrC_portato_long-marc_noVib		Samples: 217	RAM: 13 MB
Portato, long, marcato, without vibrato 4 velocity layers Release samples 2 Alternations			
12 TrC_portato_long-soft_noVib		Samples: 214	RAM: 13 MB
Portato, long, soft, without vibrato 4 velocity layers Release samples 2 Alternations			
21 TrC_sus_Vib-light		Samples: 244	RAM: 15 MB
Sustained, with light vibrato 5 velocity layers Release samples			
22 TrC_sus_Vib-strong		Samples: 175	RAM: 10 MB
Sustained, with strong vibrato 3 velocity layers Release samples			
23 TrC_sus_Vib-progr	Range: E3–D6	Samples: 214	RAM: 13 MB
Sustained, progressive vibrato 4 velocity layers Release samples			
24 TrC_sus_noVib	Range: E3–D6	Samples: 270	RAM: 16 MB
Sustained, without vibrato 6 velocity layers Release samples			



02 DYNAMICS**Range: E3–C#6**

01 TrC_dyn-li_noVib_1'5s	Samples: 186	RAM: 11 MB
Light crescendo and diminuendo, without vibrato, 1.5 sec. 3 velocity layers AB switch: crescendo/diminuendo		
02 TrC_dyn-li_noVib_2s	Samples: 186	RAM: 11 MB
Light crescendo and diminuendo, without vibrato, 2 sec. 3 velocity layers AB switch: crescendo/diminuendo		
03 TrC_dyn-li_noVib_3s	Samples: 180	RAM: 11 MB
Light crescendo and diminuendo, without vibrato, 3 sec. 3 velocity layers AB switch: crescendo/diminuendo		
04 TrC_dyn-li_noVib_4s	Samples: 180	RAM: 11 MB
Light crescendo and diminuendo, without vibrato, 4 sec. 3 velocity layers AB switch: crescendo/diminuendo		
05 TrC_dyn-li_noVib_6s	Samples: 180	RAM: 11 MB
Light crescendo and diminuendo, without vibrato, 6 sec. 3 velocity layers AB switch: crescendo/diminuendo		
11 TrC_dyn-me_Vib_2s	Samples: 118	RAM: 7 MB
Medium crescendo and diminuendo, with vibrato, 2 sec. 2 velocity layers AB switch: crescendo/diminuendo		
12 TrC_dyn-me_Vib_3s	Samples: 118	RAM: 7 MB
Medium crescendo and diminuendo, with vibrato, 3 sec. 2 velocity layers AB switch: crescendo/diminuendo		
13 TrC_dyn-me_Vib_4s	Samples: 118	RAM: 7 MB
Medium crescendo and diminuendo, with vibrato, 4 sec. 2 velocity layers AB switch: crescendo/diminuendo		
14 TrC_dyn-me_Vib_6s	Samples: 118	RAM: 7 MB
Medium crescendo and diminuendo, with vibrato, 6 sec. 2 velocity layers AB switch: crescendo/diminuendo		

21 TrC_dyn-me_noVib_1'5s	Samples: 118	RAM: 7 MB
Medium crescendo and diminuendo, without vibrato, 1.5 sec. 2 velocity layers AB switch: crescendo/diminuendo		
22 TrC_dyn-me_noVib_2s	Samples: 118	RAM: 7 MB
Medium crescendo and diminuendo, without vibrato, 2 sec. 2 velocity layers AB switch: crescendo/diminuendo		
23 TrC_dyn-me_noVib_3s	Samples: 118	RAM: 7 MB
Medium crescendo and diminuendo, without vibrato, 3 sec. 2 velocity layers AB switch: crescendo/diminuendo		
24 TrC_dyn-me_noVib_4s	Samples: 121	RAM: 7 MB
Medium crescendo and diminuendo, without vibrato, 4 sec. 2 velocity layers AB switch: crescendo/diminuendo		
25 TrC_dyn-me_noVib_6s	Samples: 121	RAM: 7 MB
Medium crescendo and diminuendo, without vibrato, 6 sec. 2 velocity layers AB switch: crescendo/diminuendo		
31 TrC_dyn-str_Vib_3s	Samples: 56	RAM: 3 MB
Strong crescendo and diminuendo, with vibrato, 3 sec. 1 velocity layer AB switch: crescendo/diminuendo		
32 TrC_dyn-str_Vib_6s	Samples: 59	RAM: 3 MB
Strong crescendo and diminuendo, with vibrato, 6 sec. 1 velocity layer AB switch: crescendo/diminuendo		
41 TrC_dyn-str_noVib_2s	Samples: 62	RAM: 3 MB
Strong crescendo and diminuendo, without vibrato, 2 sec. 1 velocity layer AB switch: crescendo/diminuendo		
42 TrC_dyn-str_noVib_3s	Samples: 62	RAM: 3 MB
Strong crescendo and diminuendo, without vibrato, 3 sec. 1 velocity layer AB switch: crescendo/diminuendo		
43 TrC_dyn-str_noVib_4s	Samples: 56	RAM: 3 MB
Strong crescendo and diminuendo, without vibrato, 4 sec. 1 velocity layer AB switch: crescendo/diminuendo		

44 TrC_dyn-str_noVib_6s	Samples: 56	RAM: 3 MB
Strong crescendo and diminuendo, without vibrato, 6 sec. 1 velocity layer AB switch: crescendo/diminuendo		
51 TrC_pfp_Vib_4s	Samples: 56	RAM: 3 MB
Crescendo-diminuendo with vibrato, 4 sec. 2 velocity layers		
52 TrC_pfp_Vib_8s	Samples: 28	RAM: 1 MB
Crescendo-diminuendo with vibrato, 8 sec. 1 velocity layer		
53 TrC_pfp_noVib_4s	Samples: 56	RAM: 3 MB
Crescendo-diminuendo without vibrato, 4 sec. 2 velocity layers		
54 TrC_pfp_noVib_6s	Samples: 59	RAM: 3 MB
Crescendo-diminuendo without vibrato, 6 sec. 2 velocity layers		
55 TrC_pfp_noVib_8s	Samples: 28	RAM: 1 MB
Crescendo-diminuendo without vibrato, 8 sec. 1 velocity layer		
61 TrC_fp	Samples: 28	RAM: 1 MB
Fortepiano 1 velocity layer 2 Alternations		
62 TrC_sfz	Samples: 28	RAM: 1 MB
Sforzato 1 velocity layer 2 Alternations		
63 TrC_sffz	Samples: 28	RAM: 1 MB
Sforzatissimo 1 velocity layer 2 Alternations		

03 FLATTER + TRILLS		Range: E3–C#6		
01 TrC_flatter		Samples: 108	RAM: 6 MB	
Flutter tonguing 2 velocity layers Release samples				
02 TrC_flatter_cre		Samples: 28	RAM: 1 MB	
Flutter tonguing, crescendo 1 velocity layer				
11 TrC_trill-slow_1		Samples: 124	RAM: 7 MB	
Trills, slow, minor 2nd 2 velocity layers Release samples				
12 TrC_trill-slow_2		Samples: 124	RAM: 7 MB	
Trills, slow, major 2nd 2 velocity layers Release samples				
13 TrC_trill-fast_1		Samples: 124	RAM: 7 MB	
Trills, fast, minor 2nd 2 velocity layers Release samples				
14 TrC_trill-fast_2		Range: E3–G#5	Samples: 104	RAM: 6 MB
Trills, fast, major 2nd 2 velocity layers Release samples				
15 TrC_trill-acc_1		Samples: 124	RAM: 7 MB	
Trills accelerando, minor 2nd 2 velocity layers Release samples				
16 TrC_trill-acc_2		Range: E3–G#5	Samples: 104	RAM: 6 MB
Trills accelerando, major 2nd 2 velocity layers Release samples				

10 PERF INTERVAL		Range: E3–C6		
01 TrC_perf-legato_noVib			Samples: 724	RAM: 45 MB
Legato without vibrato 2 velocity layers Release samples				
02 TrC_perf-legato_noVib_sus			Samples: 811	RAM: 50 MB
Legato without vibrato Sustain crossfading 4 velocity layers Release samples				
03 TrC_perf-legato_Vib		Range: F#3–C6	Samples: 574	RAM: 35 MB
Legato, with vibrato 2 velocity layers Release samples				
04 TrC_perf-legato_Vib_sus		Range: F#3–C6	Samples: 631	RAM: 39 MB
Legato, with vibrato Sustain crossfading 3 velocity layers Release samples				
05 TrC_perf-marcato			Samples: 786	RAM: 49 MB
Marcato 2 velocity layers Release samples				
11 PERF INTERVAL FAST		Range: E3–C6		
01 TrC_perf-legato_fa			Samples: 840	RAM: 52 MB
Legato, fast 2 velocity layers Release samples				
02 TrC_perf-marcato_fa			Samples: 902	RAM: 56 MB
Marcato, fast 2 velocity layers Release samples				

12 PERF TRILL**Range: E3–C6****01 TrC_perf-trill****Samples: 1372 RAM: 85 MB**

Performance trills, legato, minor to major 2nd
 2 velocity layers
 Release samples

13 PERF REPETITION**Range: E3–C#6****01 TrC_perf-rep_leg-sl****Samples: 235 RAM: 14 MB**

Legato, slow
 3 velocity layers

02 TrC_perf-rep_leg-fa**Samples: 235 RAM: 14 MB**

Legato, fast
 3 velocity layers

03 TrC_perf-rep_por**Samples: 423 RAM: 26 MB**

Portato
 3 velocity layers

04 TrC_perf-rep_sta-sl**Samples: 423 RAM: 26 MB**

Staccato, slow
 3 velocity layers

05 TrC_perf-rep_sta-fa**Samples: 405 RAM: 25 MB**

Staccato, fast
 3 velocity layers

21 TrC_perf-rep_dyn5_leg-sl**Samples: 150 RAM: 9 MB**

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

22 TrC_perf-rep_dyn5_leg-fa**Samples: 150 RAM: 9 MB**

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

23 TrC_perf-rep_dyn9_por**Samples: 270 RAM: 16 MB**

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

24 TrC_perf-rep_dyn9_sta-sl**Samples: 270 RAM: 16 MB**

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

25 TrC_perf-rep_dyn9_sta-fa	Range: F#3–C#6	Samples: 234	RAM: 14 MB
Staccato dynamics, fast, 9 repetitions 1 velocity layer AB switch: crescendo/diminuendo			

14 FAST REPETITION	Range: F#3–C#6	
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01 TrC_fast-rep_140 (150/160/170/190/210)	Samples: 168	RAM: 10 MB
Fast repetitions: 140–170, 190, and 210 BPM 3 velocity layers Release samples		

11 TrC_fast-rep_140_dyn (150/160/170/190/210)	Samples: 50	RAM: 3 MB
Fast repetitions Dynamics, 140–170, 190, and 210 BPM 1 velocity layer AB switch: crescendo/diminuendo		

15 UPBEAT REPETITION

A Single Upbeat	Range: E3–C#6	
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01 TrC_UB-a1_90 (100/110/120/130/140/160/180)	Samples: 90	RAM: 5 MB
1 upbeat, 90–140, 160, and 180 BPM 3 velocity layers		

B Double Upbeats	Range: E3–C#6	
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01 TrC_UB-a2_90 (100/110/120/130/140/160/180/200)	Samples: 90	RAM: 5 MB
2 upbeats, 90–140, 160, 180, and 200 BPM 3 velocity layers		

C Triple Upbeats	Range: E3–C#6	
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01 TrC_UB-a3_90 (100/110/120/130/140/160/180/200)	Samples: 90	RAM: 5 MB
3 upbeats, 90–140, 160, 180, and 200 BPM 3 velocity layers		

**16 GRACE NOTES****Range: E3–C#6**

The samples are mapped to their target notes.

01 TrC_grace-1**Samples: 184****RAM: 11 MB**

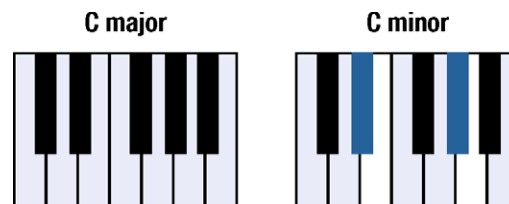
Grace notes, minor 2nd
 2 velocity layers
 Release samples
 AB switch: up/down

02 TrC_grace-2**Samples: 182****RAM: 11 MB**

Grace notes, major 2nd
 2 velocity layers
 Release samples
 AB switch: up/down

17 SCALE RUNS

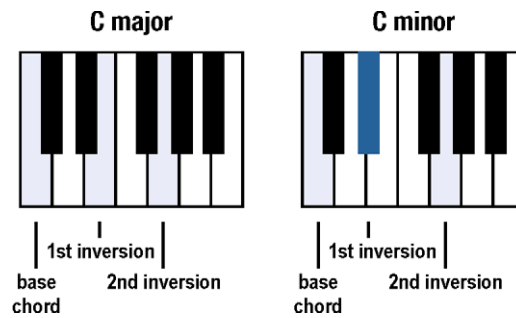
Please note that upward runs can be played only to an octave below the upper play range, downward runs to an octave above the lower play range. The octave runs are mapped diatonically according to their scale.
 For the playing ranges and mappings of individual scales, please see the appendix.

**01 TrC_run-leg_C-ma (through to B-ma)****Samples: 20****RAM: 1 MB**

Octave runs, legato, C to B major
 1 velocity layer
 AB switch: up/down

18 ARPEGGIOS

Please note that the playing ranges vary with the key of the Patch used.
For playing ranges and mappings for each key, please see the appendix.



Staccato diminished



01 TrC_arp-sta_dm

Range: E3–D6

Samples: 64

RAM: 4 MB

Arpeggios, staccato
Diminished
2 velocity layers
AB switch: up/down

Staccato diminished fast



01 TrC_arp-sta+_dm

Range: E3–D6

Samples: 64

RAM: 4 MB

Arpeggios, staccato, fast
Diminished
2 velocity layers
AB switch: up/down

Staccato major



01 TrC_arp-sta_C-ma (through to B-ma)

Samples: 24

RAM: 1 MB

Arpeggios, staccato
C to B major
Mapping (according to key, here for C major): C – base, E – 1st inversion, G – 2nd inversion
2 velocity layers
AB switch: up/down

Staccato major fast



01 TrC_arp-sta+_C-ma (through to B-ma)

Samples: 24

RAM: 1 MB

Arpeggios, staccato, fast
C to B major
Mapping (according to key, here for C major): C – base, E – 1st inversion, G – 2nd inversion
2 velocity layers
AB switch: up/down

Staccato minor**01 TrC_arp-sta_C-mi (through to B-mi)****Samples: 24****RAM: 1 MB**

Arpeggios, staccato

C to B minor

Mapping (according to key, here for C minor): C – base, D#/Eb – 1st inversion, G – 2nd inversion

2 velocity layers

AB switch: up/down

Staccato minor fast**01 TrC_arp-sta_C-mi+ (through to B-mi)****Samples: 24****RAM: 1 MB**

Arpeggios, staccato, fast

C to B minor

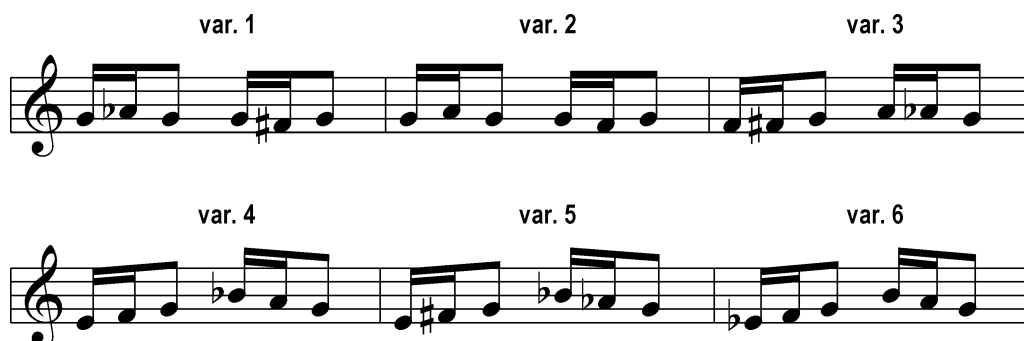
Mapping (according to key, here for C minor): C – base, D#/Eb – 1st inversion, G – 2nd inversion

2 velocity layers

AB switch: up/down

19 MORDENTS

The samples are mapped to their target notes.

**01 TrC_mord-leg_v1****Range: A3–A#5****Samples: 44****RAM: 2 MB**

Mordents, legato

Single mordent, minor 2nd

2 velocity layers

AB switch: up/down

02 TrC_mord-leg_v2**Range: A3–B5****Samples: 44****RAM: 2 MB**

Mordents, legato

Single mordent, major 2nd

2 velocity layers

AB switch: up/down

03 TrC_mord-leg_v3	Range: A3–B5	Samples: 44	RAM: 2 MB
Mordents, legato Minor 2nd - minor 2nd 2 velocity layers AB switch: up/down			
04 TrC_mord-leg_v4	Range: A3–C6	Samples: 44	RAM: 2 MB
Mordents, legato Minor 2nd - major 2nd 2 velocity layers AB switch: up/down			
05 TrC_mord-leg_v5	Range: A3–C6	Samples: 44	RAM: 2 MB
Mordents, legato Major 2nd - minor 2nd 2 velocity layers AB switch: up/down			
06 TrC_mord-leg_v6	Range: A3–C#6	Samples: 44	RAM: 2 MB
Mordents, legato Major 2nd - major 2nd 2 velocity layers AB switch: up/down			

98 RESOURCES

Performance speed variations: Legato, slow
Isolated dynamics repetitions: Legato slow and fast, portato, staccato
Single layer long notes

01 Perf Rep dyn	Range: E3–C#6		
01 TrC_rep_cre5_leg-sl-1 (2/3/4/5)		Samples: 15	RAM: 1 MB
Extracted repetitions Legato, slow, crescendo, 1st to 5th note 1 velocity layer			
01 TrC_rep_dim5_leg-sl-1 (2/3/4/5)		Samples: 15	RAM: 1 MB
Extracted repetitions Legato, slow, diminuendo, 1st to 5th note 1 velocity layer			
02 TrC_rep_cre5_leg-fa-1 (2/3/4/5)		Samples: 15	RAM: 1 MB
Extracted repetitions Legato, fast, crescendo, 1st to 5th note 1 velocity layer			
02 TrC_rep_dim5_leg-fa-1 (2/3/4/5)		Samples: 15	RAM: 1 MB
Extracted repetitions Legato, fast, diminuendo, 1st to 5th note 1 velocity layer			

03 TrC_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		
03 TrC_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		
04 TrC_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		
04 TrC_rep_dim9_sta-1 (2/3/4/5)	Samples: 15	RAM: 1 MB
Extracted repetitions: Staccato, diminuendo, 1st to 9th note 1 velocity layer		
02 Long Notes - Single Layer	Range: E3–D6	
01 TrC_sus_pp_noVib	Samples: 62	RAM: 3 MB
Sustained, pianissimo, without vibrato 1 velocity layer Release samples		
02 TrC_sus_p_noVib	Samples: 62	RAM: 3 MB
Sustained, piano, without vibrato 1 velocity layer Release samples		
03 TrC_sus_mp_noVib	Samples: 62	RAM: 3 MB
Sustained, mezzopiano, without vibrato 1 velocity layer Release samples		
04 TrC_sus_mf_noVib	Samples: 62	RAM: 3 MB
Sustained, mezzoforte, without vibrato 1 velocity layer Release samples		
05 TrC_sus_f_noVib	Samples: 62	RAM: 3 MB
Sustained, forte, without vibrato 1 velocity layer Release samples		
06 TrC_sus_ff_noVib	Samples: 62	RAM: 3 MB
Sustained, fortissimo, without vibrato 1 velocity layer Release samples		

03 Perf Speed variation**Range: E3–C6****01 TrC_perf-leg_slow****Samples: 755****RAM: 47 MB**

Legato, slow

2 velocity layers

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 Articulation Combi

Samples: 1511 RAM: 94 MB

Single note articulations

Staccato, portato short, sustained with light and without vibrato, crescendo-diminuendo with vibrato 4 and 8 sec., fortetpiano and sforzato, flutter tonguing normal and crescendo, fast 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 light vib.	pfp vib. 4s.	fp	flutter	trill fast half
V2	port. short	sus no vib.	pfp vib. 8s.	sfz	flutter cres.	trill fast whole

L1 TrC Perf-Legato Speed

Samples: 991 RAM: 61 MB

Interval performances

Legato slow, normal without vibrato, and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
legato	slow	normal	fast

L1 TrC Perf-Repetitions Combi

Samples: 1081 RAM: 67 MB

Repetition performances

Legato slow

Portato

Staccato slow

Matrix switches: Vertical: Modwheel, 3 zones

	repetitions
V1	legato slow
V2	portato
V3	staccato slow

Matrix - LEVEL 2 A - Advanced

O1 TrC Perf-Universal

Samples: 1889 RAM: 118 MB

Interval performances

Legato slow, normal, and fast

Marcato normal and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones Vertical: Modwheel, 2 zones

	H1	H2	H3
legato	slow	normal	fast
marcato	normal	normal	fast

02 TrC Perf-Trill Speed**Samples: 1523 RAM: 95 MB**

Multi interval performances

Legato and trills

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills

03 TrC Short+Long notes**Samples: 1902 RAM: 118 MB**

Single notes

Staccato, portato short and medium, portato long with light, strong, and without vibrato

Sustained with light, strong, progressive, and without vibrato

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1
V1	staccato	port. short	port.med.	port.long light vib.	sus. light vib.
V2	%	%	%	port.long strong vib.	sus. strong vib.
V3	%	%	%	port.long light vib.	sus. prog. vib.
V4	%	%	%	port.long no vib.	sus. no vib.

Matrix - LEVEL 2 B - Standard**11 TrC Perf-Legato Speed****Samples: 991 RAM: 61 MB**

Interval performances

Legato slow, normal without vibrato, and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
legato	slow	normal	fast

12 TrC Perf-Marcato Speed**Samples: 786 RAM: 49 MB**

Interval performances^mMarcato normal and fast

Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
marcato	normal	fast

13 TrC Short notes**Samples: 1371 RAM: 85 MB**

Single notes

Staccato, portato short and medium, and portato long with light, strong, and without vibrato

Matrix switches: Horizontal: Keyswitches, C1–F1

	C1	C#1	D1	D#1	E1	F1
V1	staccato	port. short	port. medium	port.long light vib.	port.long strong vib.	port.long no vib.

14 TrC Long notes - All**Samples: 624 RAM: 39 MB**

Single notes

Sustained with light, strong, progressive, and without vibrato

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

	C1	C#1	D1	D#1
sustained	light vibrato	strong vibrato	prog. vibrato	no vibrato

15 TrC Dynamics - Small**Samples: 379 RAM: 23 MB**

Dynamics

Medium crescendo and diminuendo with 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.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

16 TrC Dynamics - Large**Samples: 1323 RAM: 82 MB**

Dynamics

Medium crescendo and diminuendo with and without vibrato, 2, 3, 4, and 6 sec.

Strong crescendo and diminuendo without vibrato, 2, 3, 4, and 6 sec.

Crescendo-diminuendo without vibrato 4, 6, and 8 sec.

Fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 5 zones

	C1	C#1	D1	D#1
dyn.med. vib.	2 sec.	3 sec.	4 sec.	6 sec.
dyn.med. no vib.	2 sec.	3 sec.	4 sec.	6 sec.
dyn.str. no vib.	2 sec.	3 sec.	4 sec.	6 sec.
ppf no vib.	4 sec.	6 sec.	8 sec.	8 sec.
fp/sfz/sffz	fp	sfz	sffz	sffz

17 TrC Flutter**Samples: 136 RAM: 8 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 Trills - slow**Samples: 248 RAM: 15 MB**

Trills, slow: Half and whole tone

Matrix switches: Vertical: Modwheel, 2 zones

	trills slow
V1	half tone
V2	whole tone

19 TrC Trills - fast**Samples: 228 RAM: 14 MB**

Trills, fast: Half and whole tone

Matrix switches: Vertical: Modwheel, 2 zones

	trills fast
V1	half tone
V2	whole tone

20 TrC Trills - accelerando**Samples: 228 RAM: 14 MB**

Trills, accelerando: Half and whole tone

Matrix switches: Vertical: Modwheel, 2 zones

	trills accel.
V1	half tone
V2	whole tone

21 TrC Trills - All**Samples: 704 RAM: 44 MB**

Trills slow, fast, and accelerando

Half and whole tone

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 2 zones

	C1	C#1	D1
half tone	slow	fast	accelerando
whole tone	slow	fast	accelerando

Matrix - LEVEL 2 C - Repetitions**31 TrC Perf-Repetitions - Combi****Samples: 1721 RAM: 107 MB**

Repetition performances

Slow and fast legato, portato, slow and fast staccato

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
V1	legato slow	legato fast	portato	staccato slow	staccato fast

32 TrC Perf-Repetitions - Speed**Samples: 1486 RAM: 92 MB**

Repetition performances

Slow legato, portato, slow and fast staccato

Speed controller

Matrix switches: Horizontal: Speed, 4 zones

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

33 TrC Fast-Repetitions**Samples: 654 RAM: 40 MB**

Fast repetitions: Staccato, 140–170, 190, and 210 BPM

Matrix switches: Horizontal: Keyswitches, C1–F1

	C1	C#1	D1	D#1	E1	F1
speed/BPM	140	150	160	170	190	210

34 TrC Upbeats a1**Samples: 711 RAM: 44 MB**

Repetitions: 1 upbeat, 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

35 TrC Upbeats a2**Samples: 798 RAM: 49 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 Upbeats a3**Samples: 792 RAM: 49 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 Upbeats all**Samples: 2301 RAM: 143 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	180
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 D - Scale+Phrase**41 TrC Scale runs-legato - Major****Samples: 112 RAM: 7 MB**

Octave runs, legato, C to B major

AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
legato maj.	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

51 TrC Arpeggios-staccato - Major**Samples: 128 RAM: 8 MB**

Arpeggios, staccato, C to B major

AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
staccato maj.	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

52 TrC Arpeggios-staccato - Major+**Samples: 128 RAM: 8 MB**

Arpeggios, staccato fast, C to B major
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
staccato maj. fast	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

53 TrC Arpeggios-staccato - Minor**Samples: 124 RAM: 7 MB**

Arpeggios, staccato, C to B minor
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
staccato min.	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

54 TrC Arpeggios-staccato - Minor+**Samples: 124 RAM: 7 MB**

Arpeggios, staccato fast, C to B minor
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
staccato min. fast	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

55 TrC Arpeggios-staccato - All**Samples: 316 RAM: 19 MB**

Arpeggios, staccato, C to B major and minor, diminished
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
major	C	C#	D	D#	E	F	F#	G	G#	A	A#	B
minor	C	C#	D	D#	E	F	F#	G	G#	A	A#	B
diminished	%	%	%	%	%	%	%	%	%	%	%	%

56 TrC Arpeggios-staccato - All+**Samples: 316 RAM: 19 MB**

Arpeggios, staccato fast, C to B major and minor, diminished
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1	A#1	B1
major	C	C#	D	D#	E	F	F#	G	G#	A	A#	B
minor	C	C#	D	D#	E	F	F#	G	G#	A	A#	B
diminished	%	%	%	%	%	%	%	%	%	%	%	%

61 TrC Mordents-legato**Samples: 264 RAM: 16 MB**

Mordents, legato, var. 1 to 6
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–F1

	C1	C#1	D1	D#1	E1	F1
variation	mord. min.2nd	mord. maj.2nd	min.2nd - min.2nd	min.2nd - maj.2nd	maj.2nd - min.2nd	maj.2nd - maj.2nd

62 TrC Grace notes - All**Samples: 304 RAM: 19 MB**

Grace notes, minor and major 2nd
AB switch up/down

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

	C1	C#1
interval	min. 2nd	maj. 2nd

Matrix - LEVEL 2 E - Keyswitch Vel**71 TrC Legato slow - cre5****Samples: 75 RAM: 4 MB**

Slow 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 Legato fast - cre5**Samples: 75 RAM: 4 MB**

Fast 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

73 TrC 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

74 TrC 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

75 TrC Combi - cre5**Samples: 150 RAM: 9 MB**

Slow and fast legato: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

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

	C1	C#1	D1	D#1	E1
legato slow	1st	2nd	3rd	4th	5th
legato fast	1st	%	%	%	%

76 TrC 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	%	%	%	%	%	%	%	%

77 TrC Legato slow - dim5**Samples: 75 RAM: 4 MB**

Slow 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

78 TrC Legato fast - dim5**Samples: 75 RAM: 4 MB**

Fast 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

79 TrC 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

80 TrC 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

81 TrC Combi - dim5**Samples: 150 RAM: 9 MB**

Slow and fast legato: Diminuendo, keyswitch velocity

Keyswitches control 5 dynamic steps

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

	C1	C#1	D1	D#1	E1
legato slow	1st	2nd	3rd	4th	5th
legato fast	1st	%	%	%	%

82 TrC 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 VSL Preset Level 1**Samples: 3428 RAM: 214 MB**

L1 TrC Perf-Legato Speed
 L1 TrC Articulation Combi
 L1 TrC Perf-Repetitions Combi

Preset keyswitches: C2–D2**TrC VSL Preset Level 2****Samples: 6004 RAM: 375 MB**

01 TrC Perf-Universal
 02 TrC Perf-Trill Speed
 L1 TrC Articulation Combi
 31 TrC Perf-Repetitions - Combi
 76 TrC Combi - cre9

Preset keyswitches: C2–E2

Appendix

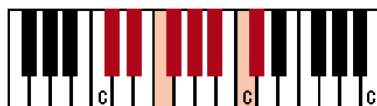
In the following, you will find notations and keyboard layout graphics for major and minor scale runs and arpeggios, as well as a list of playing ranges for the individual scale and arpeggio Patches.

Scale runs - major

C major



C#/Db major



D major



D#/Eb major



E major



F major



F#/Gb major



G major



G#/Ab major



A major



A#/Bb major

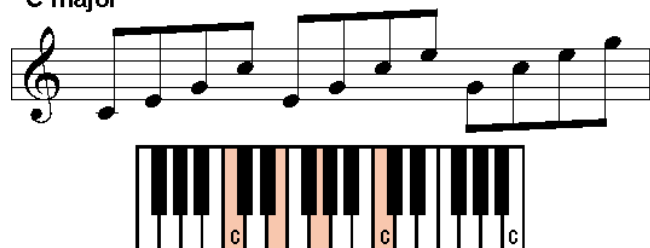


B major

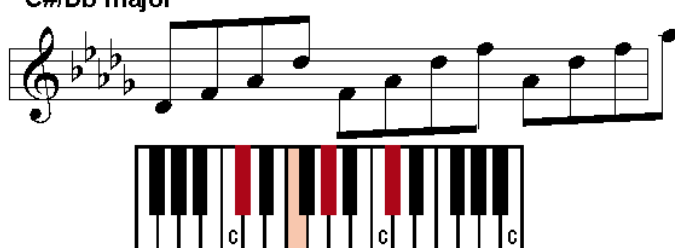


Arpeggios – major

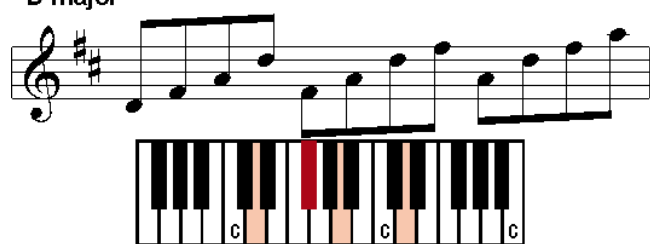
C major



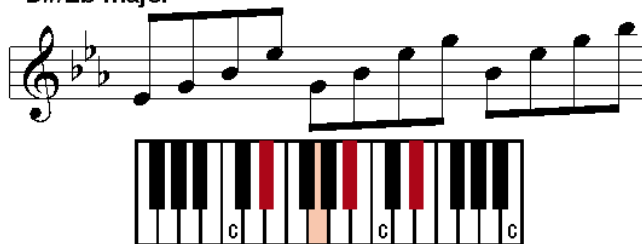
C#/Db major



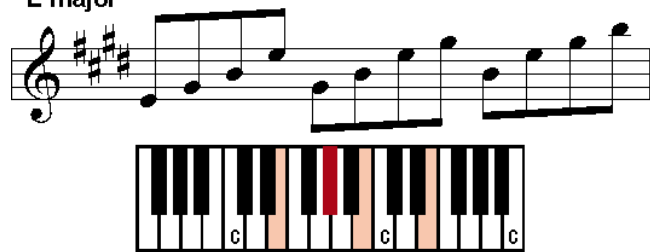
D major



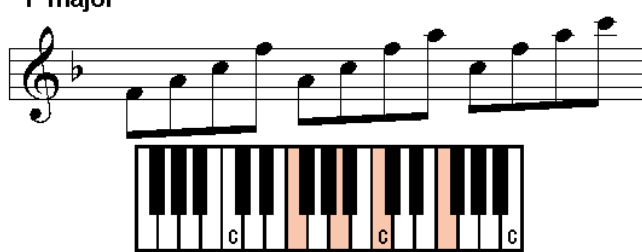
D#/Eb major



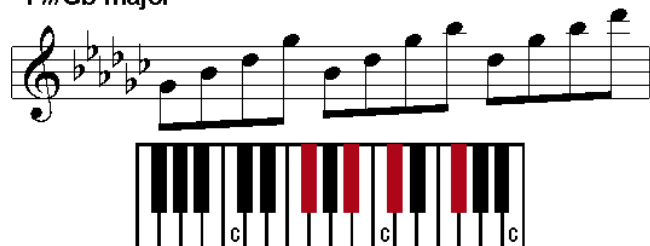
E major



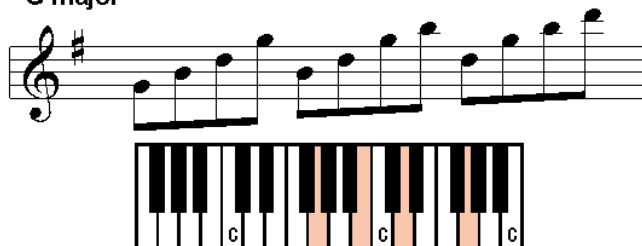
F major



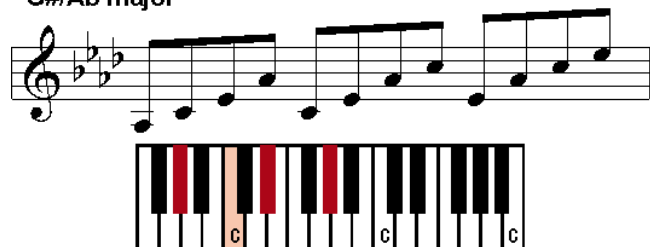
F#/Gb major



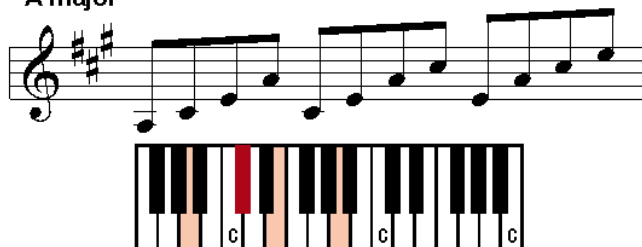
G major



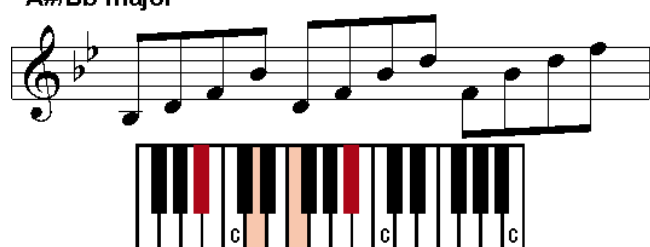
G#/Ab major



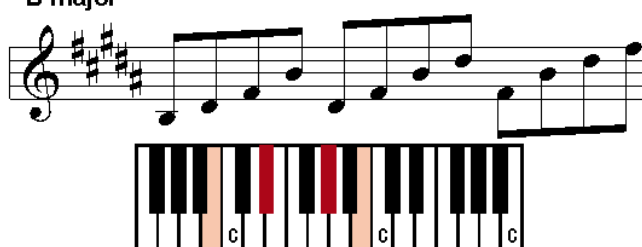
A major



A#/Bb major

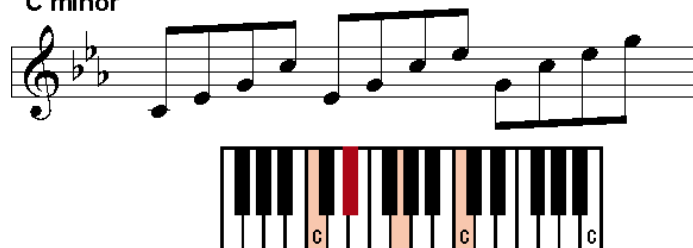


B major

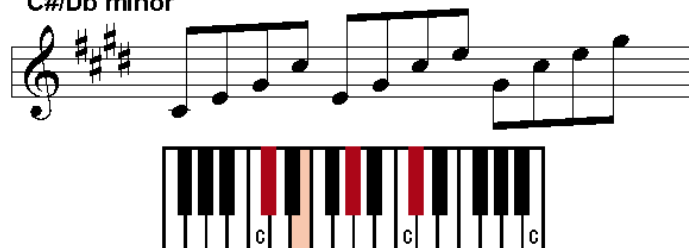


Arpeggios – minor

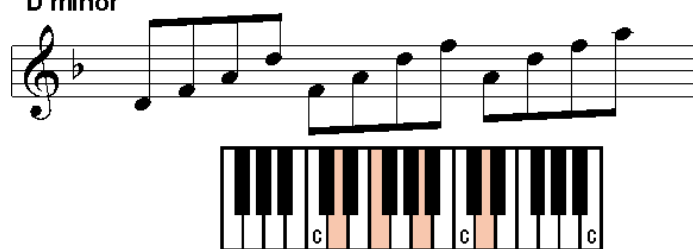
C minor



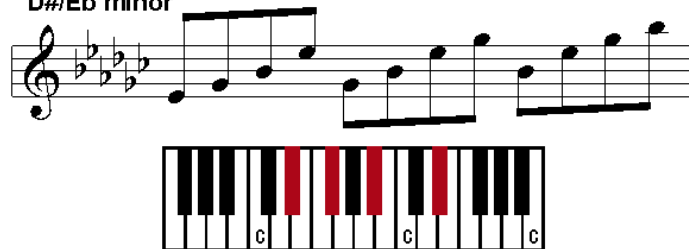
C#/Db minor



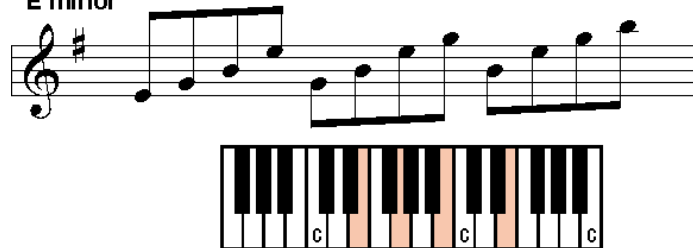
D minor



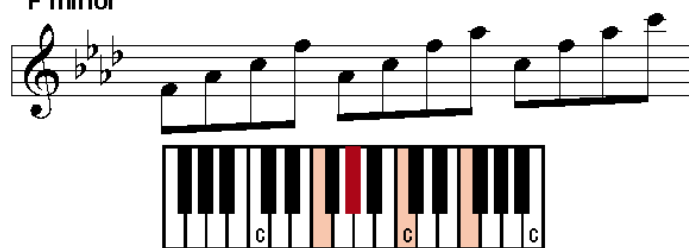
D#/Eb minor



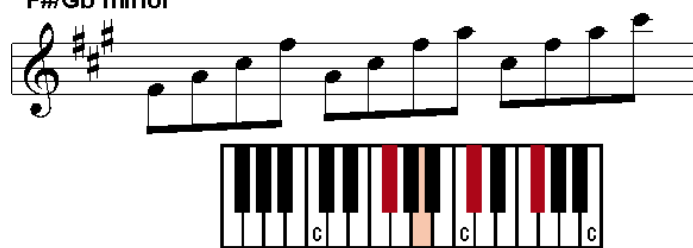
E minor



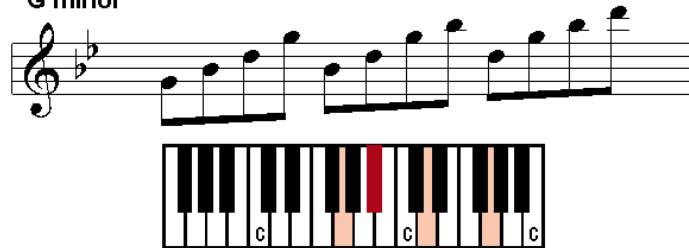
F minor



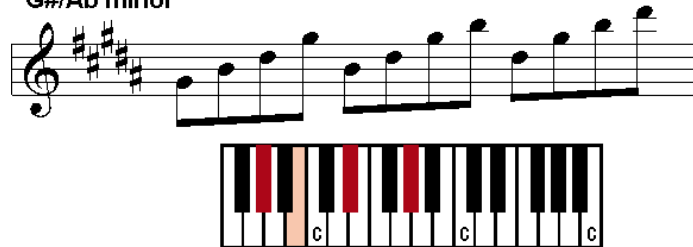
F#/Gb minor



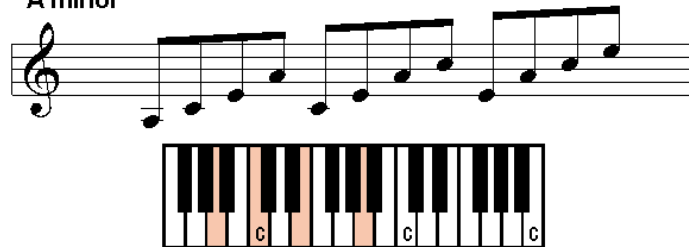
G minor



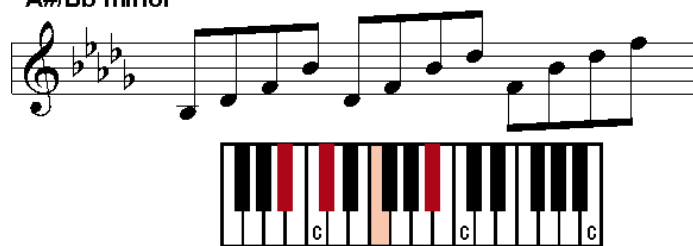
G#/Ab minor



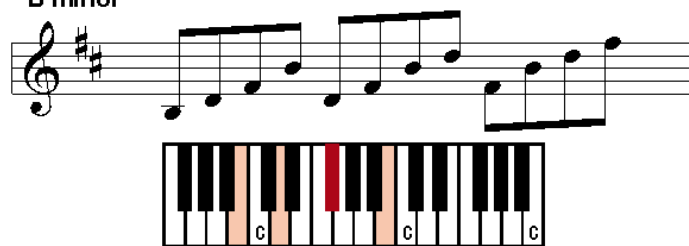
A minor



A#/Bb minor



B minor



Scale and arpeggio ranges

Octave runs

Legato major play range

01 TrC_run-leg_C-ma	A3–C6
02 TrC_run-leg_C#-ma	G#3–A#5
03 TrC_run-leg_D-ma	A3–B5
04 TrC_run-leg_D#-ma	G#3–A#5
05 TrC_run-leg_E-ma	A3–B5
06 TrC_run-leg_F-ma	A3–A#5
07 TrC_run-leg_F#-ma	A#3–B5
08 TrC_run-leg_G-ma	A3–B5
09 TrC_run-leg_G#-ma	A#3–C6
10 TrC_run-leg_A-ma	G#3–B5
11 TrC_run-leg_A#-ma	A3–C6
12 TrC_run-leg_B-ma	G#3–B5

Arpeggios

Staccato major play range

01 TrC_arp-sta_C-ma	G3–C6
02 TrC_arp-sta_C#-ma	F3–C#6
03 TrC_arp-sta_D-ma	F#3–D6
04 TrC_arp-sta_D#-ma	G3–A#5
05 TrC_arp-sta_E-ma	G#3–B5
06 TrC_arp-sta_F-ma	F3–C6
07 TrC_arp-sta_F#-ma	F#3–C#6
08 TrC_arp-sta_G-ma	G3–B5
09 TrC_arp-sta_G#-ma	G#3–C6
10 TrC_arp-sta_A-ma	A3–C#6
11 TrC_arp-sta_A#-ma	A#3–D6
12 TrC_arp-sta_B-ma	F#3–B5

Staccato major fast play range

01 TrC_arp-sta+_C-ma	G3–C6
02 TrC_arp-sta+_C#-ma	F3–C#6
03 TrC_arp-sta+_D-ma	F#3–D6
04 TrC_arp-sta+_D#-ma	G3–A#5
05 TrC_arp-sta+_E-ma	G#3–B5
06 TrC_arp-sta+_F-ma	F3–C6
07 TrC_arp-sta+_F#-ma	F#3–C#6
08 TrC_arp-sta+_G-ma	G3–B5
09 TrC_arp-sta+_G#-ma	G#3–C6
10 TrC_arp-sta+_A-ma	A3–C#6
11 TrC_arp-sta+_A#-ma	A#3–D6
12 TrC_arp-sta+_B-ma	F#3–B5

Staccato minor play range

01 TrC_arp-sta_C-mi	G3–C6
02 TrC_arp-sta_C#-mi	G#3–C#6
03 TrC_arp-sta_D-mi	A3–D6
04 TrC_arp-sta_D#-mi	F#3–A#5
05 TrC_arp-sta_E-mi	G3–B5
06 TrC_arp-sta_F-mi	F3–C6
07 TrC_arp-sta_F#-mi	F#3–C#6
08 TrC_arp-sta_G-mi	G3–A#5
09 TrC_arp-sta_G#-mi	G#3–B5
10 TrC_arp-sta_A-mi	A3–C6
11 TrC_arp-sta_A#-mi	A#3–C#6
12 TrC_arp-sta_B-mi	F#3–B5

Staccato minor fast play range

01 TrC_arp-sta+_C-mi+	G3–C6
02 TrC_arp-sta+_C#-mi+	G#3–C#6
03 TrC_arp-sta+_D-mi+	A3–D6
04 TrC_arp-sta+_D#-mi+	F#3–A#5
05 TrC_arp-sta+_E-mi+	G3–B5
06 TrC_arp-sta+_F-mi+	F3–C6
07 TrC_arp-sta+_F#-mi+	F#3–C#6
08 TrC_arp-sta+_G-mi+	G3–A#5
09 TrC_arp-sta+_G#-mi+	G#3–B5
10 TrC_arp-sta+_A-mi+	A3–C6
11 TrC_arp-sta+_A#-mi+	A#3–C#6
12 TrC_arp-sta+_B-mi+	F#3–B5