Vienna Instruments
Solo Download Instruments
Trumpet ensemble
Full Library

Contents

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 ensemble. 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.

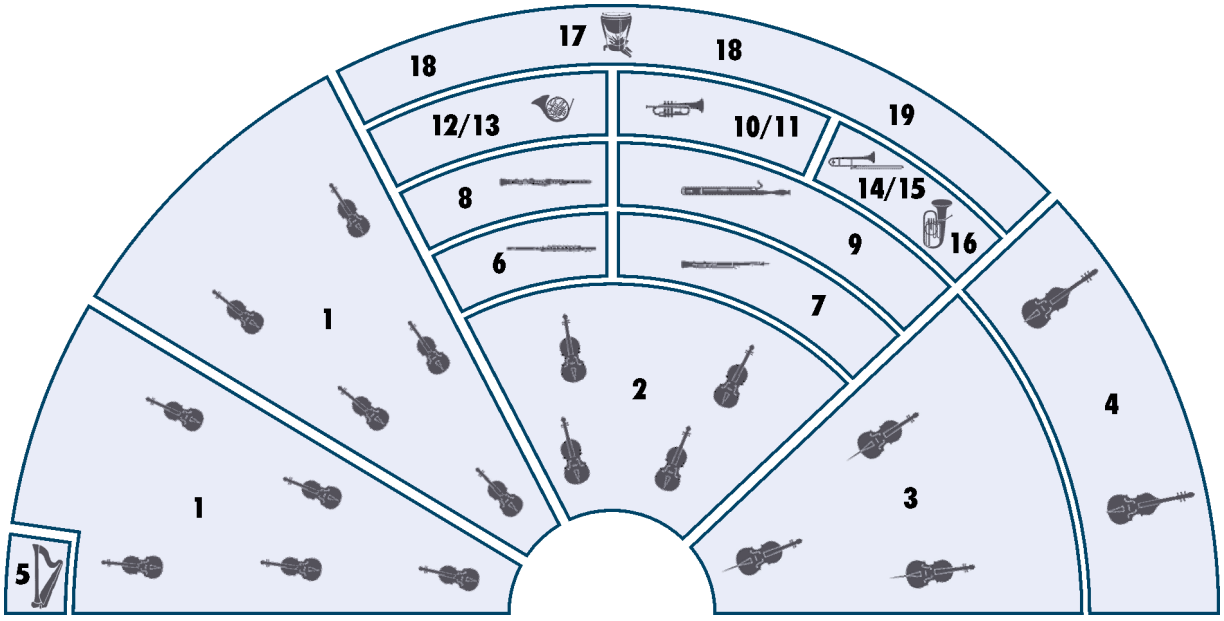
Abbreviation	Meaning	Abbreviation	Meaning
+	faster articulation (runs and arpeggios)	lo	long
		ma	major
150, 160, …	150, 160, … BPM (beats per minute)	marc	marcato
1s, 2s, …	tone length 1 sec., 2 sec., …	me	medium
acc	accelerando	mi	minor
all	combination of all Patches of a category	mord	mordent
		mu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

Articulations

63 Trumpets - a3	
01 SHORT + LONG NOTES	Staccato Portato short, medium and long Sustained with and without vibrato Sustained marcato, tuning in, rips, and falls
02 DYNAMICS	Medium crescendo and diminuendo, 1.5, 2, 3, 4, and 6 sec. Strong crescendo and diminuendo, 2, 3, 4, and 6 sec. pfp, 2, 3, 4 and 6 sec. Fortepiano, sforzato, sforzatissimo
03 FLATTER + TRILLS	Flutter tonguing normal and crescendo Trills, minor and major 2nd, normal and dynamics
10 PERF INTERVAL	Legato, with and without vibrato Legato, tuning attack Marcato
11 PERF INTERVAL FAST	Legato Marcato
12 PERF TRILL	Trills, legato, minor to major 2nd
13 PERF REPETITION	Legato, portato, staccato Slow and fast Dynamics for all repetitions
14 PERF UPBEAT REPETITION	1 and 2 upbeats Slow, medium, and fast Normal and dynamics
15 FAST REPETITION	Staccato, 9 repetitions, 150 to 190 BPM Normal and dynamics
16 UPBEAT REPETITION	1 upbeat, 80–140 BPM 2–3 upbeats, 80–140, 160, and 180 BPM
17 SCALE RUNS	Octave runs, legato Major and minor, C to B key, chromatic and whole tone Up and down
18 ARPEGGIOS	Arpeggios, staccato Diminished, major and minor from C to B key Up and down, 2 speeds for all
19 FALL RELEASE	Sustained with and without vibrato; marcato; tuning attack; rips Legato interval performance without and with vibrato; tuning attack Marcato interval performance

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.

63 Trumpets - a3

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: F#3–C#6

01 Tr-3_staccato — **Samples: 212** — **RAM: 13 MB**

Staccato
4 velocity layers
4 Alternations

02 Tr-3_portato_short — **Samples: 211** — **RAM: 13 MB**

Portato, short
4 velocity layers
4 Alternations

03 Tr-3_portato_medium — **Samples: 218** — **RAM: 13 MB**

Portato, medium
4 velocity layers
4 Alternations

04 Tr-3_portato_long — **Samples: 165** — **RAM: 10 MB**

Portato, long
3 velocity layers
Release samples
2 Alternations

11 Tr-3_sus_Vib — **Samples: 126** — **RAM: 7 MB**

Sustained, with vibrato
3 velocity layers
Release samples

12 Tr-3_sus_noVib — **Samples: 168** — **RAM: 10 MB**

Sustained, without vibrato
3 velocity layers
Release samples

13 Tr-3_sus_marcato — **Samples: 112** — **RAM: 7 MB**

Sustained, marcato
2 velocity layers
Release samples

14 Tr-3_sus_tune — **Samples: 126** — **RAM: 7 MB**

Sustained, tuning in after attack
3 velocity layers
Release samples

15 Tr-3_sus_rip **Samples: 84** **RAM: 5 MB**

Sustained, with rips (sliding into the note)
2 velocity layers
Release samples

16 Tr-3_falls **Samples: 56** **RAM: 3 MB**

Sustained, falls (sliding down at the end of the note)
2 velocity layers
AB switch: fall short/long

17 Tr-3_falls_fA **Samples: 56** **RAM: 3 MB**

Sustained, falls shortly after initial note
2 velocity layers
AB switch: fall short/long

02 DYNAMICS Range: F#3–C#6

01 Tr-3_dyn-me_1'5s **Samples: 112** **RAM: 7 MB**

Medium crescendo and diminuendo, 1.5 sec.
2 velocity layers
AB switch: crescendo/diminuendo

02 Tr-3_dyn-me_2s **Samples: 112** **RAM: 7 MB**

Medium crescendo and diminuendo, 2 sec.
2 velocity layers
AB switch: crescendo/diminuendo

03 Tr-3_dyn-me_3s **Samples: 112** **RAM: 7 MB**

Medium crescendo and diminuendo, 3 sec.
2 velocity layers
AB switch: crescendo/diminuendo

04 Tr-3_dyn-me_4s **Samples: 112** **RAM: 7 MB**

Medium crescendo and diminuendo, 4 sec.
2 velocity layers
AB switch: crescendo/diminuendo

05 Tr-3_dyn-me_6s **Samples: 106** **RAM: 6 MB**

Medium crescendo and diminuendo, 6 sec.
2 velocity layers
AB switch: crescendo/diminuendo

11 Tr-3_dyn-str_2s **Samples: 56** **RAM: 3 MB**

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

12 Tr-3_dyn-str_3s **Samples: 56** **RAM: 3 MB**

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

13 Tr-3_dyn-str_4s **Samples: 56** **RAM: 3 MB**

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

14 Tr-3_dyn-str_6s **Samples: 56** **RAM: 3 MB**

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

21 Tr-3_pfp_2s **Samples: 56** **RAM: 3 MB**

Crescendo-diminuendo, 2 sec.
2 velocity layers

22 Tr-3_pfp_3s **Samples: 56** **RAM: 3 MB**

Crescendo-diminuendo, 3 sec.
2 velocity layers

23 Tr-3_pfp_4s **Samples: 14** **RAM: 1 MB**

Crescendo-diminuendo, 4 sec.
1 velocity layer

24 Tr-3_pfp_6s **Samples: 14** **RAM: 1 MB**

Crescendo-diminuendo, 6 sec.
1 velocity layer

31 Tr-3_fp **Samples: 28** **RAM: 1 MB**

Fortepiano
1 velocity layer
2 Alternations

32 Tr-3_sfz **Samples: 28** **RAM: 1 MB**

Sforzato
1 velocity layer
2 Alternations

33 Tr-3_sffz **Samples: 28** **RAM: 1 MB**

Sforzatissimo
1 velocity layer
2 Alternations

03 FLATTER + TRILLS

01 Tr-3_flatter **Range: F#3–C#6** **Samples: 56** **RAM: 3 MB**

Flutter tonguing
1 velocity layer
Release samples

02 Tr-3_flatter_cre **Range: F#3–C#6** **Samples: 28** **RAM: 1 MB**

Flutter tonguing, crescendo
1 velocity layer

11 Tr-3_trill_1 **Range: F#3–C6** **Samples: 108** **RAM: 6 MB**

Trills, minor 2nd
2 velocity layers
Release samples

12 Tr-3_trill_2 **Range: F#3–B5** **Samples: 52** **RAM: 3 MB**

Trills, major 2nd
2 velocity layers
Release samples

13 Tr-3_trill_1_dyn **Range: F#3–C6** **Samples: 54** **RAM: 3 MB**

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

14 Tr-3_trill_2_dyn **Range: F#3–B5** **Samples: 26** **RAM: 1 MB**

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

10 PERF INTERVAL **Range: F#3–C#6**

01 Tr-3_perf-legato_noVib **Samples: 616** **RAM: 38 MB**

Legato, without vibrato
2 velocity layers
Release samples

02 Tr-3_perf-legato_Vib **Samples: 602** **RAM: 37 MB**

Legato, with vibrato
3 velocity layers
Release samples

03 Tr-3_perf-legato_tune **Samples: 602** **RAM: 37 MB**

Legato, with vibrato
Tuning in after attack
3 velocity layers
Release samples

04 Tr-3_perf-marcato **Samples: 669** **RAM: 41 MB**

Marcato
2 velocity layers
Release samples

11 PERF INTERVAL FAST — Range: F#3–C#6

01 Tr-3_perf-legato_fa **Samples: 728** **RAM: 45 MB**

Legato, fast
3 velocity layers
Release samples

02 Tr-3_perf-marcato_fa **Samples: 786** **RAM: 49 MB**

Marcato, fast
2 velocity layers
Release samples

12 PERF TRILL — Range: F#3–C#6

01 Tr-3_perf-trill **Samples: 1136** **RAM: 71 MB**

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

13 PERF REPETITION — Range: F#3–C#6

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

Legato, slow
2 velocity layers

02 Tr-3_perf-rep_leg-fa **Samples: 140** **RAM: 8 MB**

Legato, fast
2 velocity layers

03 Tr-3_perf-rep_por-sl **Samples: 252** **RAM: 15 MB**

Portato, slow
2 velocity layers

04 Tr-3_perf-rep_por-fa **Samples: 252** **RAM: 15 MB**

Portato, fast
2 velocity layers

05 Tr-3_perf-rep_sta-sl **Samples: 208** **RAM: 13 MB**

Staccato, slow
2 velocity layers

06 Tr-3_perf-rep_sta-fa **Samples: 252** **RAM: 15 MB**

Staccato, fast
2 velocity layers

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

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

22 Tr-3_perf-rep_dyn5_leg-fa **Samples: 140** **RAM: 8 MB**

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

23 Tr-3_perf-rep_dyn9_por-sl **Samples: 252** **RAM: 15 MB**

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

24 Tr-3_perf-rep_dyn9_por-fa **Samples: 252** **RAM: 15 MB**

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

25 Tr-3_perf-rep_dyn9_sta-sl **Samples: 234** **RAM: 14 MB**

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

26 Tr-3_perf-rep_dyn9_sta-fa **Samples: 252** **RAM: 15 MB**

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

14 PERF UPBEAT REPETITION Range: F#3–C#6

01 Tr-3_perf-rep_UB-a1_sl **Samples: 112** **RAM: 7 MB**

1 upbeat, slow
2 velocity layers

02 Tr-3_perf-rep_UB-a2_sl **Samples: 112** **RAM: 7 MB**

2 upbeats, slow
2 velocity layers

03 Tr-3_perf-rep_UB-a1_me **Samples: 112** **RAM: 7 MB**

1 upbeat, medium
2 velocity layers

04 Tr-3_perf-rep_UB-a2_me **Samples: 112** **RAM: 7 MB**

2 upbeats, medium
2 velocity layers

05 Tr-3_perf-rep_UB-a1_fa **Samples: 112** **RAM: 7 MB**

1 upbeat, fast
2 velocity layers

06 Tr-3_perf-rep_UB-a2_fa **Samples: 112** **RAM: 7 MB**

2 upbeats, fast
2 velocity layers

11 Tr-3_perf-rep_dyn4_UB-a1_sl **Samples: 112** **RAM: 7 MB**

1 upbeat, slow, dynamics
4 repetitions
1 velocity layer
AB switch crescendo/diminuendo

12 Tr-3_perf-rep_dyn4_UB-a2_sl **Samples: 112** **RAM: 7 MB**

2 upbeats, slow, dynamics
4 repetitions
1 velocity layer
AB switch crescendo/diminuendo

13 Tr-3_perf-rep_dyn4_UB-a1_me **Samples: 112** **RAM: 7 MB**

1 upbeat, medium, dynamics
4 repetitions
1 velocity layer
AB switch crescendo/diminuendo

14 Tr-3_perf-rep_dyn4_UB-a2_me **Samples: 112** **RAM: 7 MB**

2 upbeats, medium, dynamics
4 repetitions
1 velocity layer
AB switch crescendo/diminuendo

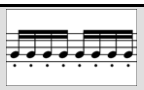
15 Tr-3_perf-rep_dyn4_UB-a1_fa **Samples: 112** **RAM: 7 MB**

1 upbeat, fast, dynamics
4 repetitions
1 velocity layer
AB switch crescendo/diminuendo

16 Tr-3_perf-rep_dyn4_UB-a2_fa **Samples: 112** **RAM: 7 MB**

2 upbeats, fast, dynamics
4 repetitions
1 velocity layer
AB switch crescendo/diminuendo

15 FAST REPETITION



Range: F#3–C#6

01 Tr-3_fast-rep_150 (160/170/180/190) **Samples: 112** **RAM: 7 MB**

Fast repetitions: 150–190 BPM
2 velocity layers
Release samples

11 Tr-3_fast-rep_150_dyn (160/170/180/190) **Samples: 56** **RAM: 3 MB**

Fast repetitions
Dynamics, 150–190 BPM
1 velocity layer
AB switch: crescendo/diminuendo

16 UPBEAT REPETITION

A Single Upbeat

Range: F#3–C#6

01 Tr-3_UB-a1_80 (90/100/110/120/130/140) **Samples: 84** **RAM: 5 MB**

1 upbeat, 80–140 BPM
3 velocity layers

B Double Upbeats

Range: F#3–C#6

01 Tr-3_UB-a2_80 (90/100/110/120/130/140/160/180) **Samples: 84** **RAM: 5 MB**

2 upbeats, 80–140, 160, and 180 BPM
3 velocity layers

C Triple Upbeats

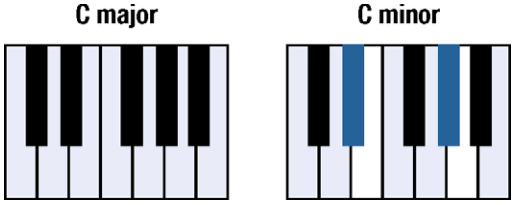
Range: F#3–C#6

01 Tr-3_UB-a3_80 (90/100/110/120/130/140/160/180) **Samples: 84** **RAM: 5 MB**

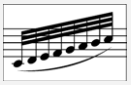
3 upbeats, 80–140, 160, and 180 BPM
3 velocity layers

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.



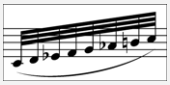
Legato major



01 Tr-3_run-leg_C-ma (through to B-ma) **Samples: 22** **RAM: 1 MB**

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

Legato minor

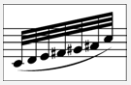


01 Tr-3_run-leg_C-mi (through to B-mi) **Samples: 20** **RAM: 1 MB**

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

Special

Range: F#3–C#6



01 Tr-3_run-leg_chromatic **Samples: 18** **RAM: 1 MB**

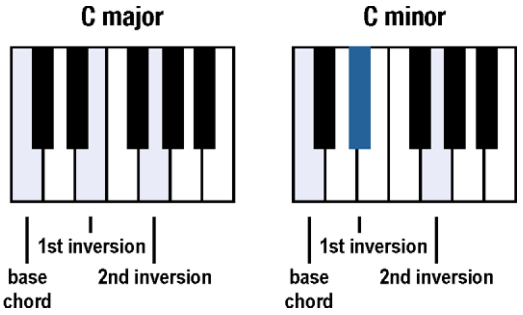
Octave runs, legato
Chromatic
1 velocity layer
AB switch: up/down

02 Tr-3_run-leg_whole **Samples: 16** **RAM: 1 MB**

Octave runs, legato
Whole tone
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 Tr-3_arp-sta_dm **Range: F#3–C#6** **Samples: 48** **RAM: 3 MB**

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

Staccato diminished fast

01 Tr-3_arp-sta+_dm **Range: F#3–C#6** **Samples: 48** **RAM: 3 MB**

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

Staccato major

01 Tr-3_arp-sta_C-ma (through to B-ma) **Samples: 20** **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 Tr-3_arp-sta+_C-ma (through to B-ma) **Samples: 20** **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 Tr-3_arp-sta_C-mi (through to B-mi) **Samples: 20** **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 Tr-3_arp-sta_C-mi+ (through to B-mi) **Samples: 20** **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 FALL RELEASE Range: F#3–C#6

01 Tr-3_sus_Vib+Falls **Samples: 98** **RAM: 6 MB**

Single notes: Sustained, vibrato
Fall release
3 velocity layers
Release samples
AB switch: fall short/long

02 Tr-3_sus_noVib+Falls **Samples: 140** **RAM: 8 MB**

Single notes: Sustained, no vibrato
Fall release
3 velocity layers
Release samples
AB switch: fall short/long

03 Tr-3_sus_marcato+Falls **Samples: 112** **RAM: 7 MB**

Single notes: Sustained, marcato
Fall release
2 velocity layers
Release samples
AB switch: fall short/long

04 Tr-3_sus_tune+Falls **Samples: 70** **RAM: 4 MB**

Single notes: Sustained, tuning
Fall release
3 velocity layers
Release samples
AB switch: fall short/long

05 Tr-3_sus_rip+Falls **Samples: 84** **RAM: 5 MB**

Single notes: Sustained, rip
Fall release
2 velocity layers
Release samples
AB switch: fall short/long

11 Tr-3_perf-legato_noVib+Falls **Samples: 616** **RAM: 38 MB**

Legato, no Vibrato
Fall release
2 velocity layers
Release samples
AB switch: fall short/long

12 Tr-3_perf-legato_Vib+Falls **Samples: 602** **RAM: 37 MB**

Legato, vibrato
Fall release
3 velocity layers
Release samples
AB switch: fall short/long

13 Tr-3_perf-legato_tune+Falls **Samples: 574** **RAM: 35 MB**

Legato, tuning
Fall release
3 velocity layers
Release samples
AB switch: fall short/long

14 Tr-3_perf-marcato+Falls **Samples: 669** **RAM: 41 MB**

Marcato
Fall release
2 velocity layers
Release samples
AB switch: fall short/long

98 RESOURCES

Slow legato Interval Performance
Isolated dynamics repetitions: Legato slow and fast, portato, staccato
Single layer long notes

01 Perf Rep dyn — Range: F#3–C#6

01 Tr-3_rep_cre5_leg-sl-1 (2/3/4/5) — **Samples: 14** — **RAM: 1 MB**

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

01 Tr-3_rep_dim5_leg-sl-1 (2/3/4/5) — **Samples: 14** — **RAM: 1 MB**

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

02 Tr-3_rep_cre5_leg-fa-1 (2/3/4/5) — **Samples: 14** — **RAM: 1 MB**

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

02 Tr-3_rep_dim5_leg-fa-1 (2/3/4/5) — **Samples: 14** — **RAM: 1 MB**

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

03 Tr-3_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

03 Tr-3_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

04 Tr-3_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) — **Samples: 13** — **RAM: 1 MB**

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

04 Tr-3_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) — **Samples: 13** — **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_sus-p — Samples: 56 — RAM: 3 MB

Sustained, piano
1 velocity layer
Release samples

02 Tr-3_sus-mf — Samples: 56 — RAM: 3 MB

Sustained, mezzoforte
1 velocity layer
Release samples

03 Tr-3_sus-f — Samples: 56 — RAM: 3 MB

Sustained, forte
1 velocity layer
Release samples

03 Perf Speed variation — Range: F#3–C#6

01 Tr-3_perf-leg_slow — Samples: 616 — RAM: 38 MB

Interval performances
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 Tr-3 Articulation Combi — Samples: 1003 RAM: 62 MB

Single note articulations
Staccato, portato short, sustained with and without vibrato, crescendo-diminuendo 2 and 4 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 2s.	fp	flutter	trill half
V2	port. short	sus no vib.	pfp 4s.	sfz	flutter cres.	trill whole

L1 Tr-3 Perf-Legato Speed — Samples: 1032 RAM: 64 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 no vib.	fast

L1 Tr-3 Perf-Repetitions Combi — Samples: 644 RAM: 40 MB

Repetition performances
Legato slow
Portato fast
Staccato fast

Matrix switches: Vertical: Modwheel, 3 zones

	repetitions
V1	legato slow
V2	portato fast
V3	staccato fast

Matrix - LEVEL 2 A - Advanced

01 Tr-3 Perf-Universal — Samples: 1891 RAM: 118 MB

Interval performances
Legato slow, normal without vibrato, 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 no vib.	fast
marcato	normal	normal	fast

02 Tr-3 Perf-Trill Speed

Samples: 1440 RAM: 90 MB

Multi interval performances
Legato without vibrato, and trills
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato no vib.	trills

03 Tr-3 Perf-All + Falls

Samples: 1341 RAM: 83 MB

Interval performances
Legato with and w/o
vibrato, tuning in, and marcato
Normal and with fall release
Monophonic

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

	C1	C#1	D1	D#1
normal	legato no vib.	legato vib.	legato tuning	marcato
fall RS	%	%	%	%

04 Tr-3 Perf-Legato XFades

Samples: 700 RAM: 43 MB

Interval performances
Legato slow, with vibrato, and tuning in
Cell crossfading slow/vibrato and slow/tuning
Monophonic

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

	C1	C#2
legato	slow/vibrato	slow/tuning

05 Tr-3 Short+Long notes

Samples: 921 RAM: 57 MB

Single notes
Staccato, portato short and medium, sustained with and without vibrato, tuning in, and with rip attack

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1
V1	staccato	port. short	port.med.	sus. vib.
V2	%	%	%	sus. no vib.
V3	%	%	%	sus. tuning
V4	%	%	%	sus. rips

06 Tr-3 Long notes + Falls

Samples: 392 RAM: 24 MB

Single notes
Sustained with and without vibrato, marcato, tuning in, and with rip attack
Normal and with fall release

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

	C1	C#1	D1	D#1	
sus. normal	vibrato	no vibrato	marcato	tuning	rips
sus. fall RS	%	%	%	%	%

07 Tr-3 Long notes XFades — Samples: 252 — RAM: 15 MB

Single notes
Legato without and with vibrato, and tuning in
Cell crossfading no vibrato/vibrato and no vibrato/tuning

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

	C1	C#2
legato	no vib./vib.	no vib./tuning

Matrix - LEVEL 2 B - Standard

11 Tr-3 Perf-Legato Speed — Samples: 1032 — RAM: 64 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 Tr-3 Perf-Marcato Speed — Samples: 943 — RAM: 58 MB

Interval performances^mMarcato normal and fast
Monophonic, Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
marcato	normal	fast

13 Tr-3 Short notes — Samples: 722 — RAM: 45 MB

Single notes
Staccato, portato short, medium, and long

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

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

14 Tr-3 Long notes - All — Samples: 336 — RAM: 21 MB

Single notes
Sustained with and without vibrato, marcato, tuning in, and with rip attack

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	
sustained	vibrato	no vibrato	marcato	tuning	rips

15 Tr-3 Dynamics - Small

Samples: 420 **RAM: 26 MB**

Dynamics
Medium 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.med.	2 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

16 Tr-3 Dynamics - Large

Samples: 890 **RAM: 55 MB**

Dynamics
Medium and 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, 4 zones

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

17 Tr-3 Flatter

Samples: 84 **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 Tr-3 Trills - All

Samples: 240 **RAM: 15 MB**

Trills, minor and major 2nd, normal and dynamics
AB switch crescendo/diminuendo

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

	C1	C#1
min 2nd	normal	cres/dim
maj. 2nd	normal	cres/dim

Matrix - LEVEL 2 C - Repetitions

31 Tr-3 Perf-Repetitions - Combi — Samples: 992 — RAM: 62 MB

Repetition performances
Slow and fast legato, fast portato, slow and fast staccato

Matrix switches: Horizontal: Keyswitches, C1–E1

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

32 Tr-3 Perf-Repetitions - Speed — Samples: 852 — RAM: 53 MB

Repetition performances
Slow legato, fast portato, slow and fast staccato
Speed controller

Matrix switches: Horizontal: Speed, 4 zones

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

33 Tr-3 Fast-Repetitions — Samples: 336 — RAM: 21 MB

Fast repetitions: Staccato, 150–190 BPM
Please note that the VI Patch description shows an incorrect RAM amount.

Matrix switches: Horizontal: Keyswitches, C1–E1

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

34 Tr-3 Perf Upbeat Repetitions — Samples: 448 — RAM: 28 MB

Repetition performances
1 and 2 upbeats, slow and fast

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

	C1	C#1
1 upbeat	slow	fast
2 upbeats	slow	fast

35 Tr-3 Upbeats a1 — Samples: 588 — RAM: 36 MB

Repetitions: 1 upbeat, 80–140 BPM

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

	C1	C#1	D1	D#1	E1	F1	F#1
speed/BPM	80	90	100	110	120	130	140

36 Tr-3 Upbeats a2 — Samples: 756 — RAM: 47 MB

Repetitions: 2 upbeats, 80–140, 160, and 180 BPM

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

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
speed/BPM	80	90	100	110	120	130	140	160	180

37 Tr-3 Upbeats a3 — Samples: 756 — RAM: 47 MB

Repetitions: 3 upbeats, 80–140, 160, and 180 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

38 Tr-3 Upbeats all — Samples: 2100 — RAM: 131 MB

Repetitions: 1–3 upbeats, 80–140, 160, and 180 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	80	90	100	110	120	130	140	140	140
2 upbeats	80	90	100	110	120	130	140	160	180
3 upbeats	80	90	100	110	120	130	140	160	180

Matrix - LEVEL 2 D - Scale+Phrase

41 Tr-3 Scale runs-legato - Major — Samples: 118 — 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

42 Tr-3 Scale runs-legato - Minor — Samples: 108 — RAM: 6 MB

Octave runs, legato, 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
legato min.	C	C#	D	D#	E	F	F#	G	G#	A	A#	B

43 Tr-3 Scale runs-legato - Special — Samples: 34 — RAM: 2 MB

Octave runs, legato, chromatic and whole tone
AB switch up/down

Matrix switches: Vertical: Modwheel, 2 zones

	legato
V1	chromatic
V2	whole tone

44 Tr-3 Scale runs-legato - All — Samples: 260 — RAM: 16 MB

Octave runs, legato, C to B major and minor, chromatic and whole tone
AB switch up/down

Matrix switches: Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 4 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
chromatic	%	%	%	%	%	%	%	%	%	%	%	%
whole tone	%	%	%	%	%	%	%	%	%	%	%	%

51 Tr-3 Arpeggios-staccato - Major

Samples: 100 **RAM: 6 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 Tr-3 Arpeggios-staccato - Major+

Samples: 100 **RAM: 6 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 Tr-3 Arpeggios-staccato - Minor

Samples: 100 **RAM: 6 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 Tr-3 Arpeggios-staccato - Minor+

Samples: 100 **RAM: 6 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 Tr-3 Arpeggios-staccato - All

Samples: 248 **RAM: 15 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 Tr-3 Arpeggios-staccato - All+

Samples: 248 **RAM: 15 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	%	%	%	%	%	%	%	%	%	%	%	%

Matrix - LEVEL 2 E - Keyswitch Vel

71 Tr-3 Legato slow - cre5 — Samples: 70 — 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 Tr-3 Legato fast - cre5 — Samples: 70 — 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 Tr-3 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

74 Tr-3 Staccato - cre9 — Samples: 117 — 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

75 Tr-3 Combi - cre5 — Samples: 140 — RAM: 8 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 Tr-3 Combi - cre9 — Samples: 243 — 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	%	%	%	%	%	%	%	%

77 Tr-3 Legato slow - dim5 — Samples: 70 — 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 Tr-3 Legato fast - dim5 — Samples: 70 — 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 Tr-3 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

80 Tr-3 Staccato - dim9 — Samples: 117 — 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

81 Tr-3 Combi - dim5 — Samples: 140 — RAM: 8 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 Tr-3 Combi - dim9 — Samples: 243 — 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 VSL Preset Level 1 **Samples: 2567 RAM: 160 MB**

L1 Tr-3 Perf-Legato Speed
L1 Tr-3 Articulation Combi
L1 Tr-3 Perf-Repetitions Combi
Preset keyswitches: C2–D2

Tr-3 VSL Preset Level 2 **Samples: 4613 RAM: 288 MB**

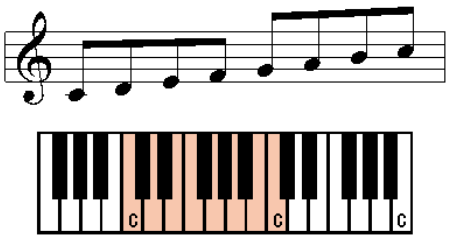
01 Tr-3 Perf-Universal
02 Tr-3 Perf-Trill Speed
L1 Tr-3 Articulation Combi
31 Tr-3 Perf-Repetitions - Combi
76 Tr-3 Combi - cre9
Preset keyswitches: C2–E2

Appendix

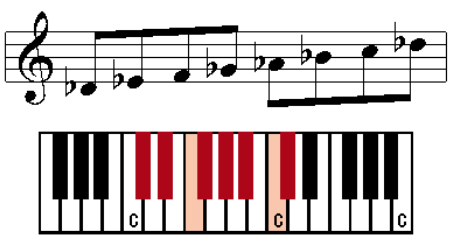
In the following, you will find notations and keyboard layout graphics for major and minor scale runs and arpeggios, as well as a list of playing ranges for the individual scale and arpeggio Patches.

Scale runs - major

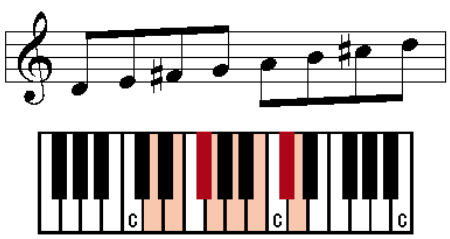
C major



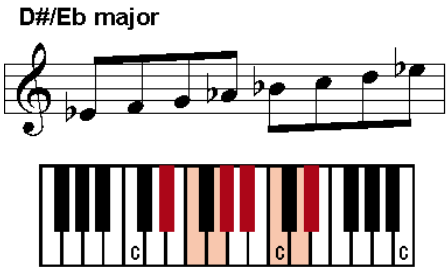
C#/Db major



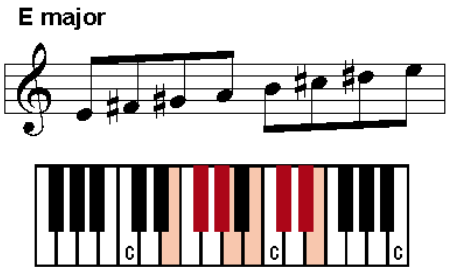
D major



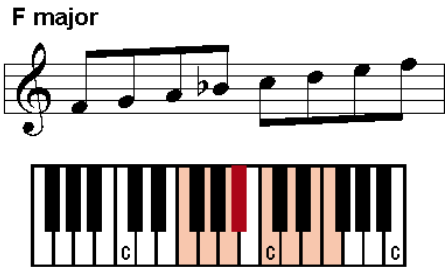
D#/Eb major



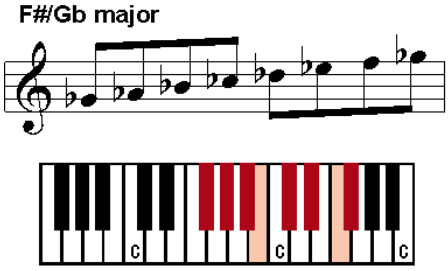
E major



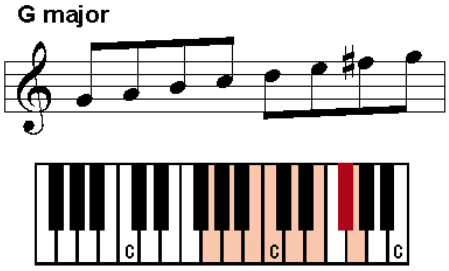
F major



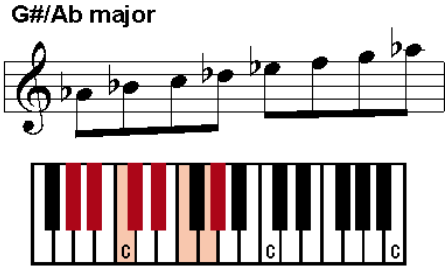
F#/Gb major



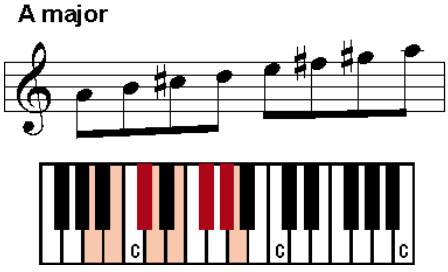
G major



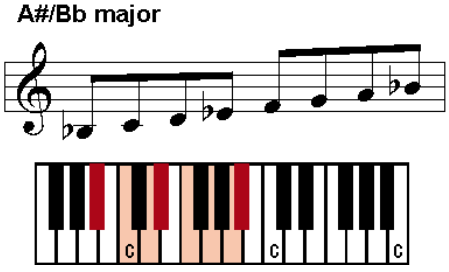
G#/Ab major



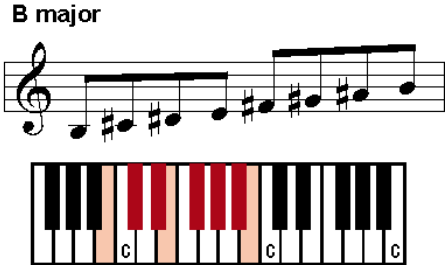
A major



A#/Bb major

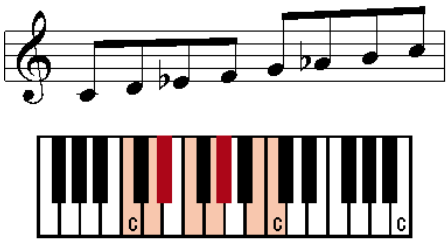


B major

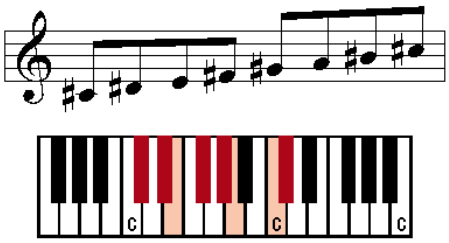


Scale runs - minor

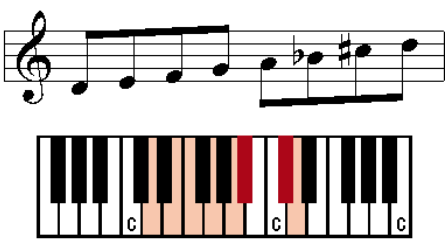
C minor



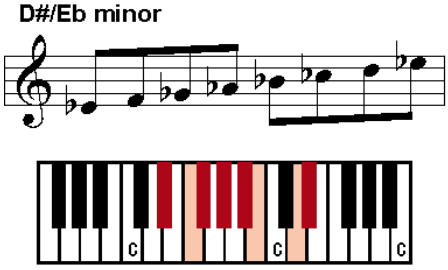
C#/Db minor



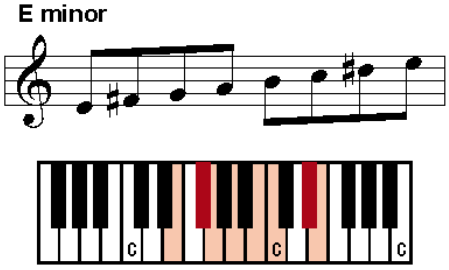
D minor



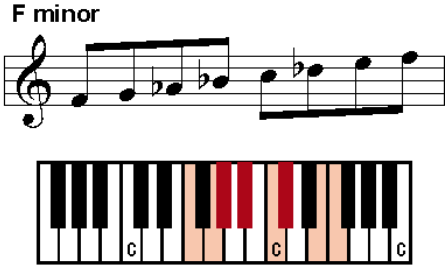
D#/Eb minor



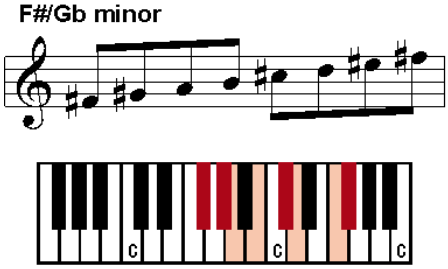
E minor



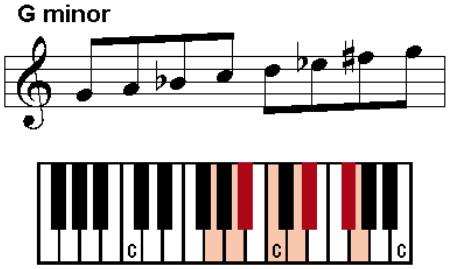
F minor



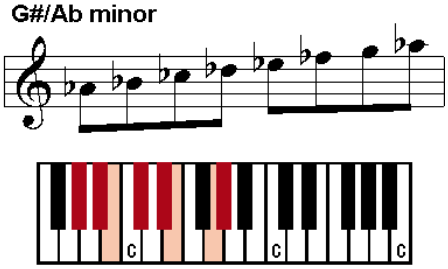
F#/Gb minor



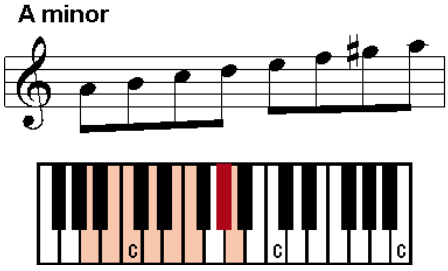
G minor



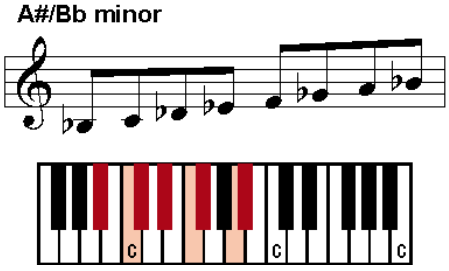
G#/Ab minor



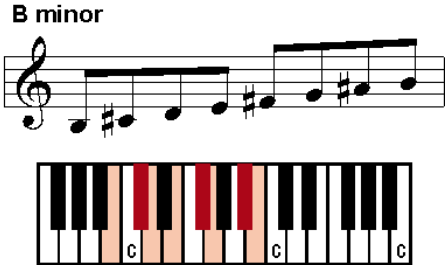
A minor



A#/Bb minor

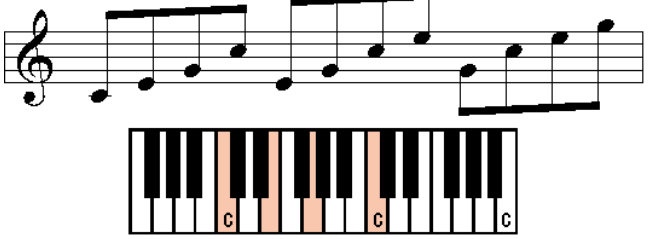


B minor

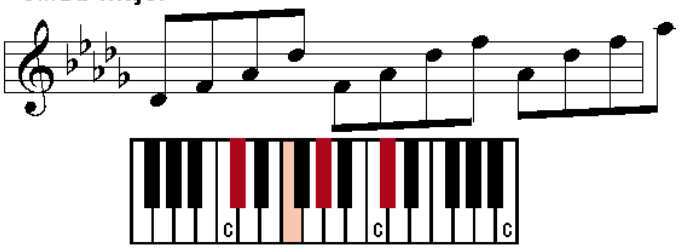


Arpeggios – major

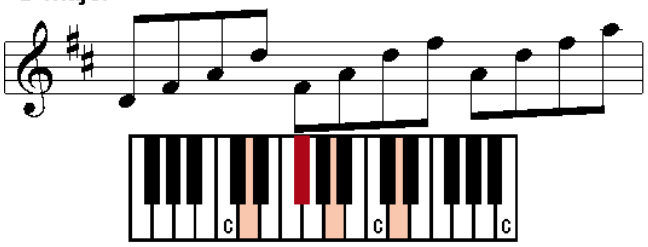
C major



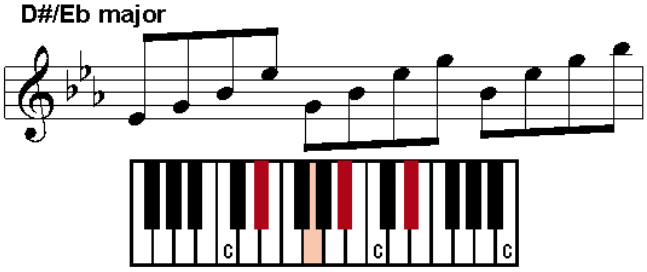
C#/Db major



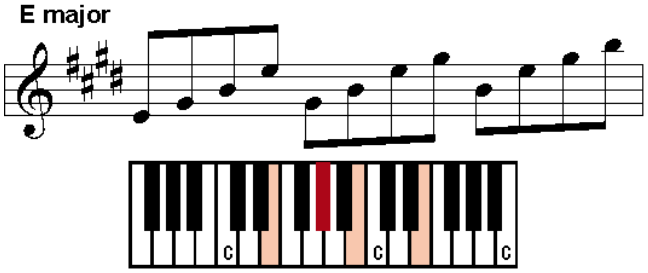
D major



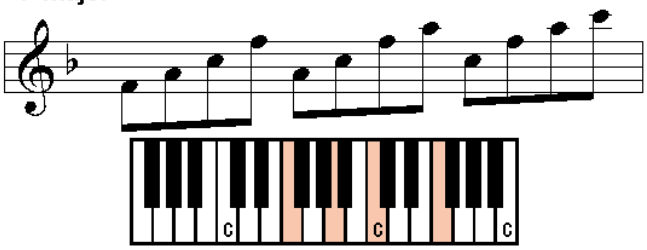
D#/Eb major



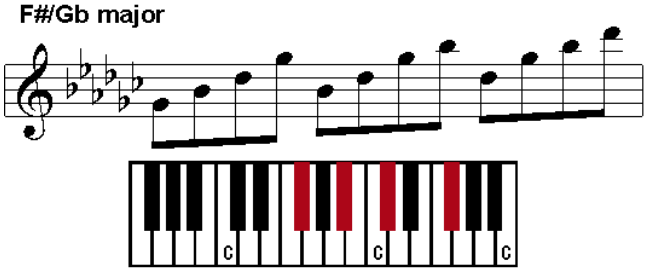
E major



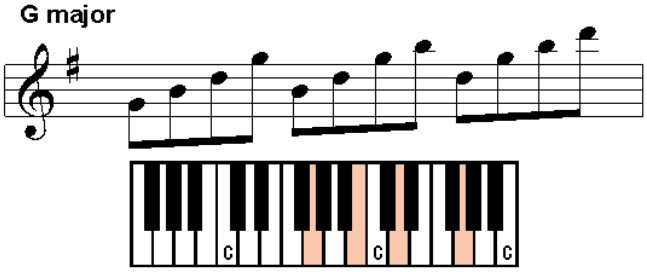
F major



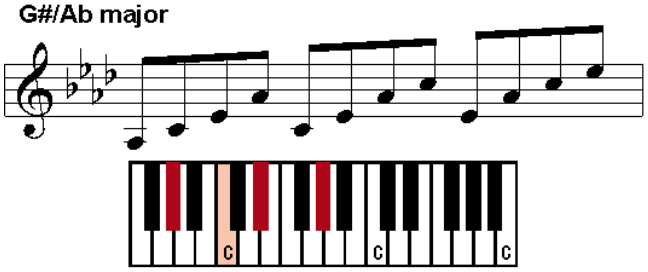
F#/Gb major



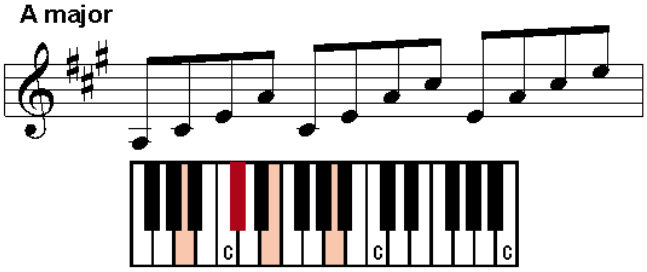
G major



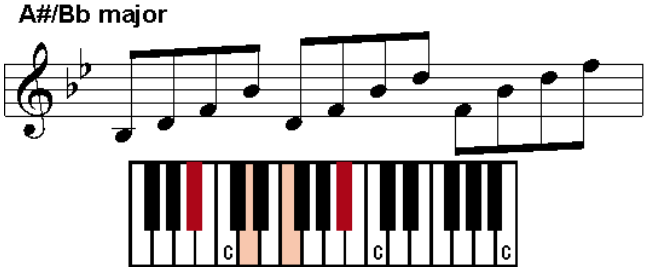
G#/Ab major



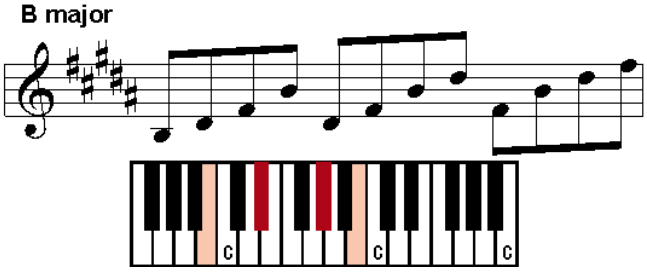
A major



A#/Bb major

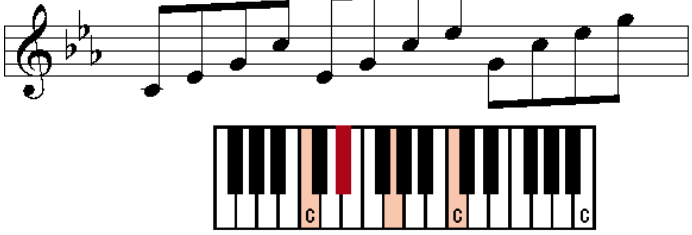


B major

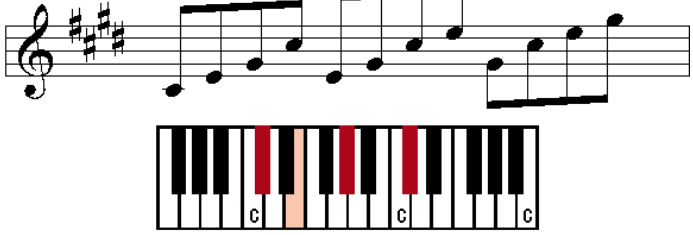


Arpeggios – minor

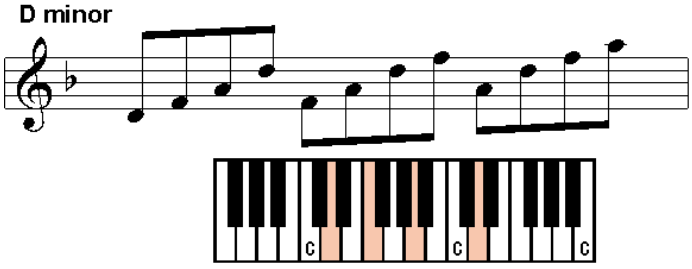
C minor



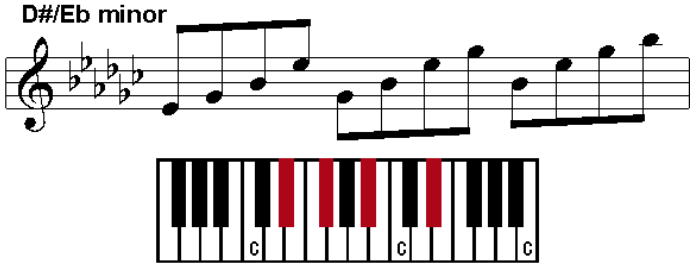
C#/Db minor



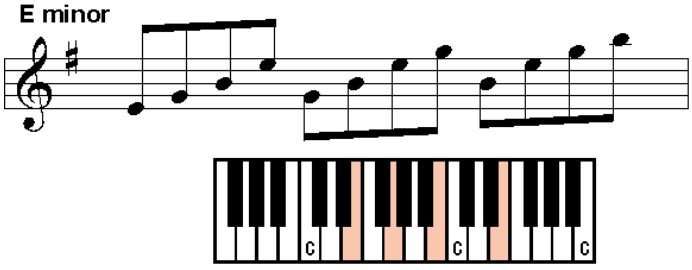
D minor



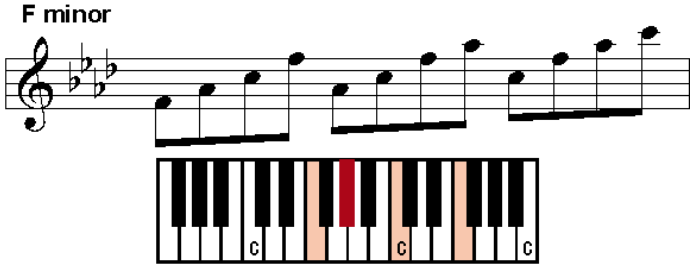
D#/Eb minor



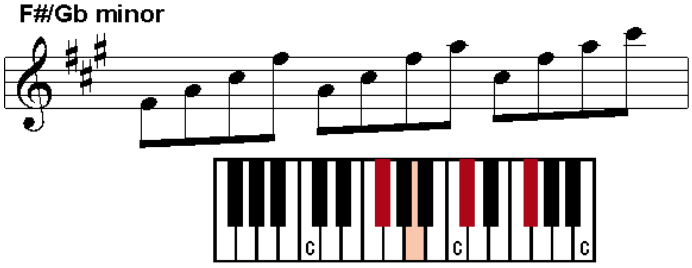
E minor



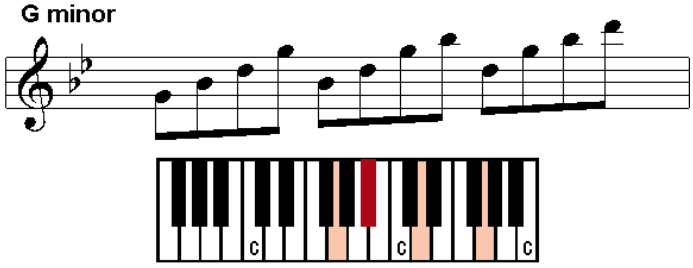
F minor



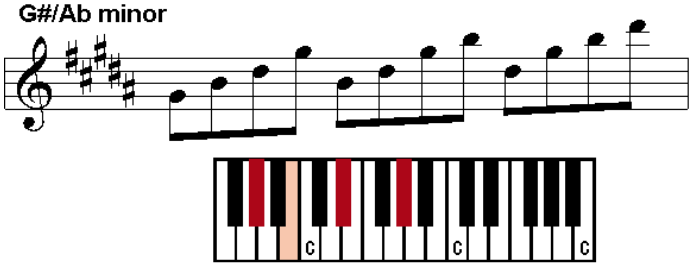
F#/Gb minor



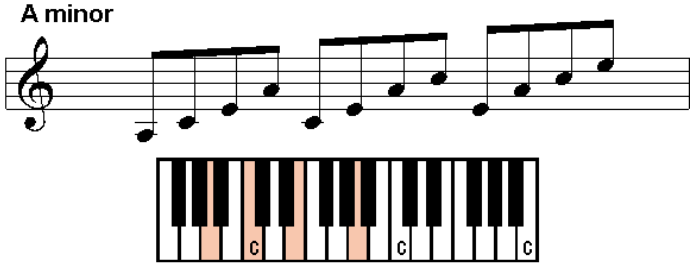
G minor



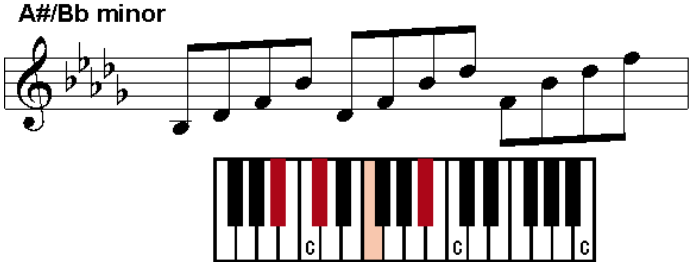
G#/Ab minor



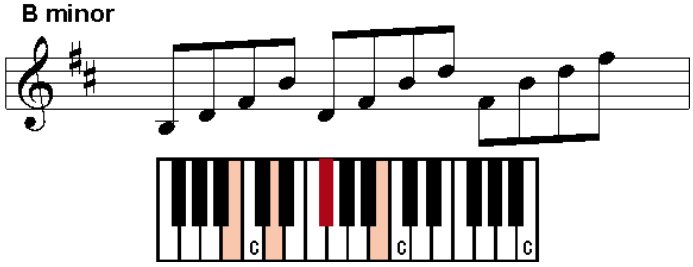
A minor



A#/Bb minor



B minor



Scale and arpeggio ranges

Octave runs

Legato major	play range
01 Tr-3_run-leg_C-ma	G3–C6
02 Tr-3_run-leg_C#-ma	G#3–A#5
03 Tr-3_run-leg_D-ma	A3–B5
04 Tr-3_run-leg_D#-ma	A#3–A#5
05 Tr-3_run-leg_E-ma	B3–B5
06 Tr-3_run-leg_F-ma	G3–C6
07 Tr-3_run-leg_F#-ma	G#3–C#6
08 Tr-3_run-leg_G-ma	G3–B5
09 Tr-3_run-leg_G#-ma	G#3–C6
10 Tr-3_run-leg_A-ma	G#3–B5
11 Tr-3_run-leg_A#-ma	A3–C6
12 Tr-3_run-leg_B-ma	F#3–B5

Legato minor	play range
01 Tr-3_run-leg_C-mi	C4–C6
02 Tr-3_run-leg_C#-mi	A3–A5
03 Tr-3_run-leg_D-mi	A#3–A#5
04 Tr-3_run-leg_D#-mi	A#3–A#5
05 Tr-3_run-leg_E-mi	B3–B5
06 Tr-3_run-leg_F-mi	G#3–C6
07 Tr-3_run-leg_F#-mi	A3–C#6
08 Tr-3_run-leg_G-mi	G3–A#5
09 Tr-3_run-leg_G#-mi	G#3–B5
10 Tr-3_run-leg_A-mi	G#3–B5
11 Tr-3_run-leg_A#-mi	A3–C6
12 Tr-3_run-leg_B-mi	B3–B5

Arpeggios

Staccato major	play range
01 Tr-3_arp-sta_C-ma	C4–C6
02 Tr-3_arp-sta_C#-ma	G#3–G#5
03 Tr-3_arp-sta_D-ma	A3–A5
04 Tr-3_arp-sta_D#-ma	A#3–A#5
05 Tr-3_arp-sta_E-ma	B3–B5
06 Tr-3_arp-sta_F-ma	A3–C6
07 Tr-3_arp-sta_F#-ma	A#3–C#6
08 Tr-3_arp-sta_G-ma	B3–B5
09 Tr-3_arp-sta_G#-ma	C4–C6
10 Tr-3_arp-sta_A-ma	A3–A5
11 Tr-3_arp-sta_A#-ma	A#3–A#5
12 Tr-3_arp-sta_B-ma	B3–B5

Staccato minor	play range
01 Tr-3_arp-sta_C-mi	C4–C6
02 Tr-3_arp-sta_C#-mi	G#3–G#5
03 Tr-3_arp-sta_D-mi	A3–A5
04 Tr-3_arp-sta_D#-mi	A#3–A#5
05 Tr-3_arp-sta_E-mi	B3–B5
06 Tr-3_arp-sta_F-mi	G#3–C6
07 Tr-3_arp-sta_F#-mi	A3–C#6
08 Tr-3_arp-sta_G-mi	A#3–A#5
09 Tr-3_arp-sta_G#-mi	B3–B5
10 Tr-3_arp-sta_A-mi	A3–A5
11 Tr-3_arp-sta_A#-mi	A#3–A#5
12 Tr-3_arp-sta_B-mi	B3–B5

Staccato major fast	play range
01 Tr-3_arp-sta+_C-ma	C4–C6
02 Tr-3_arp-sta+_C#-ma	G#3–G#5
03 Tr-3_arp-sta+_D-ma	A3–A5
04 Tr-3_arp-sta+_D#-ma	A#3–A#5
05 Tr-3_arp-sta+_E-ma	B3–B5
06 Tr-3_arp-sta+_F-ma	A3–C6
07 Tr-3_arp-sta+_F#-ma	A#3–C#6
08 Tr-3_arp-sta+_G-ma	B3–B5
09 Tr-3_arp-sta+_G#-ma	C4–C6
10 Tr-3_arp-sta+_A-ma	A3–A5
11 Tr-3_arp-sta+_A#-ma	A#3–A#5
12 Tr-3_arp-sta+_B-ma	B3–B5

Staccato minor fast	play range
01 Tr-3_arp-sta_C-mi+	C4–C6
02 Tr-3_arp-sta_C#-mi+	G#3–G#5
03 Tr-3_arp-sta_D-mi+	A3–A5
04 Tr-3_arp-sta_D#-mi+	A#3–A#5
05 Tr-3_arp-sta_E-mi+	B3–B5
06 Tr-3_arp-sta_F-mi+	G#3–C6
07 Tr-3_arp-sta_F#-mi+	A3–C#6
08 Tr-3_arp-sta_G-mi+	A#3–A#5
09 Tr-3_arp-sta_G#-mi+	B3–B5
10 Tr-3_arp-sta_A-mi+	A3–A5
11 Tr-3_arp-sta_A#-mi+	A#3–A#5
12 Tr-3_arp-sta_B-mi+	B3–B5