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Overview

General Structure of the Library

The Kontakt 3 Library is divided into six instrument collections:

- Band
- Orchestral
- Synth
- Urban Beats
- Vintage
- World

Each of the collections can be installed separately. So if you’re not interested in the orchestral stuff (i.e. the Orchestral collection) you can simply ignore this collection during installation; or just install the Band collection on your laptop since this collection contains the instruments you need the most, and then install the complete library on your studio desktop machine.

The concept of the instrument collection is not just to have a better overview over all these instruments. Each collection has its own "personality", its own flavor, so let’s have a quick tour through all the collections:

Band

This collection features acoustic and electro-acoustic instruments to be used in genres like Rock, Jazz, Funk, Pop, R’n’B, Hip Hop etc. The instruments in this collections are saxes, trumpets, electric guitars and basses, acoustic drum kits, a real Hammond organ with many drawbar presets, electric pianos etc.
Orchestral

The Orchestral collection contains the VSL collection from Kontakt 2 plus more. The VSL instruments have been reworked with the following features:

- Extensive Reverb settings
- A new simple Legato Mode
- Simple Harmonize and Constrain to Scale features

Synth

This collection includes contemporary synth pads, basses, leads, drum kits etc. Each synth type has its own dedicated performance view, so the pad synth has other controls available than the lead synth.

Urban Beats

The Urban Beats collection contains fifty drum loop performances in the hip-hop genre. The loops were exclusively produced for Kontakt 3, they do not appear on any other sampling cd!
The Vintage Collection contains all kinds of old vintage synth and keyboard gear, like old drum machines, organs and string synths from the 70s, digital machines from the 80s and much more.

The instruments and this collection are "pure", authentic and easy to use. In contrast to the synth collection, where we made use of pre-produced samples, the samples in this collection are "raw", thus giving you the possibility to hear the instruments "how they really sound".

The World Collection features instruments from all over the world from different musical cultures like all kinds of flutes, reed instruments, bagpipes, percussion and much more.

You can access the instruments of the factory library easily from the browser:
Drum and Percussion Kit Layout

All drum and percussion instrument in Kontakt 3 have a similar layout. The basic principle is the following:

- Single drum instruments are mapped from C1 to B2 (the lower half of the keyboard)
- Drum loops and grooves are mapped from C3 onwards

Let's see this in action, here's the Suburban Kit from the Synth Collection:

On the "Instrument page" you'll find controls which relate to the single drum instruments (aka one shots) which are mapped from C1 to B2, meaning you can select the snare drum, change its reverb/delay setting, select the hi-hat and change its decay setting etc.

From C3 to B4, you can trigger loops which in this case are generated by the drum computer:

Options Page

Each instrument of the Kontakt 3 library has one performance view page which is common to all instruments: the options page:
Here you can quickly transpose the instrument, set a key range, alter the velocity curve and velocity to amp modulation, tune the instrument and change the pitch bend range.

To change the key range of the instrument, simply click on the **Learn** button, and play two notes on your keyboard; the key range will be set to these two notes. Click the **Learn** button twice without playing any notes and the key range will be reset.

The tune and pitchbend range controls also respond to standard MIDI RPN messages.

Note: the Urban Beat Collection instruments do not have an options page.

**MIDI CC Assignments**

All instruments of the Kontakt 3 Library have a standardized MIDI CC automation layout.

First of all, all instruments respond to MIDI CC 7 (Volume) and CC 10 (Pan). The range of the volume automation is set to -oo to -6dB. All instruments have their volume set to -6dB (i.e. MIDI CC 7 set to 127) to prevent sudden volume changes when a value of 127 is received as Midi volume.

You can change this behavior on the controller tab of the instrument options (i.e. not the global options):
Here's the list of MIDI CC’s, which have been assigned in every Kontakt 3 Library instrument:

<table>
<thead>
<tr>
<th>CC</th>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Modwheel</td>
<td>usually a instrument-specific performance control</td>
</tr>
<tr>
<td>5</td>
<td>Portamento Time</td>
<td>controlled by the Unisono/Portamento Script</td>
</tr>
<tr>
<td>7</td>
<td>Volume</td>
<td>see above</td>
</tr>
<tr>
<td>10</td>
<td>Pan</td>
<td>see above</td>
</tr>
<tr>
<td>11</td>
<td>Expression</td>
<td>programmed as a modulation source in the amp module</td>
</tr>
<tr>
<td>64</td>
<td>Sustain</td>
<td>controlled by the Unisono/Portamento Script</td>
</tr>
<tr>
<td>65</td>
<td>Sustain Pedal</td>
<td>controlled by the Unisono/Portamento Script</td>
</tr>
<tr>
<td>66</td>
<td>Sostenuto Pedal</td>
<td>controlled by the Unisono/Portamento Script</td>
</tr>
<tr>
<td>68</td>
<td>Legato On/Off</td>
<td>controlled by the Unisono/Portamento Script</td>
</tr>
</tbody>
</table>

In addition to this standard controllers, some MIDI CC’s have been assigned if the controls are available of the performance view of the instrument:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>CC</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Sound Control</td>
<td>74</td>
<td>i.e. Filter Cutoff, EQ Settings</td>
</tr>
<tr>
<td>Secondary Sound Control</td>
<td>71</td>
<td>i.e. Filter Resonance</td>
</tr>
<tr>
<td>Attack</td>
<td>73</td>
<td></td>
</tr>
<tr>
<td>Decay</td>
<td>75</td>
<td></td>
</tr>
<tr>
<td>Release</td>
<td>72</td>
<td></td>
</tr>
<tr>
<td>Primary Effect Control</td>
<td>91</td>
<td>i.e. Reverb amount</td>
</tr>
<tr>
<td>Secondary Effect Control</td>
<td>91</td>
<td>i.e. Chorus/Distortion amount</td>
</tr>
</tbody>
</table>

If you want to get rid of any of those assignments, simply select the assignment in the midi automation tab and select remove:

In addition to MIDI CC assignments, all instruments respond to aftertouch as well as standard RPN messages for Pitch Bend Range, Coarse and Fine Tuning (see the chapter above).

All controls of the performance view are also equipped with automation id's.
Info Tags

To facilitate the handling of the instruments and their controls, each control (knob, button, menu etc.) has a help text which can be viewed when activating the info view and hovering with the mouse over the control:

![Info Tags](image1.png)

Saving CPU Resources

Many instruments make use of the convolution reverb in Kontakt. If you load many instruments into one multi, it is recommended to bypass the convolution of the individual instruments and use the aux channel instead.

Bypassing the convolution effect of an instrument is simple, usually you'll have a menu with different IR samples available on the main performance page, simply select the <bypass> entry:

![Saving CPU Resources](image2.png)
The Instrument Collections

In this chapter you will find all relevant information about the six instrument collections and the included instruments. We'll not discuss every single instrument in great detail, and neither we'll list all 1000 of them, but the information should be enough to get you started (remember, you can always check the Info Tags of the controls).

Band

As stated in the overview section, this collection covers all acoustic and electro-acoustic instruments for genres like rock, funk, jazz, hip-hop etc.

A quick overview over this collection:

<table>
<thead>
<tr>
<th>Name</th>
<th>Short Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horns</td>
<td>various solo &amp; section horns</td>
</tr>
<tr>
<td>Acoustic Pianos</td>
<td>1 grand + 1 upright piano + variations)</td>
</tr>
<tr>
<td>Electric Pianos</td>
<td>Clavinet, A200 and MK 2</td>
</tr>
<tr>
<td>Organ</td>
<td>Various drawbar settings from an authentic Hammond C3</td>
</tr>
<tr>
<td>Guitar</td>
<td>Various electric guitars + nylon guitar</td>
</tr>
<tr>
<td>Bass</td>
<td>3 different electric basses + 1 upright bass</td>
</tr>
<tr>
<td>Drum Kits</td>
<td>11 drum kits, from pure acoustic to electro-acoustic</td>
</tr>
</tbody>
</table>

Horns

There are solo horns – alto/tenor/baritone sax, trumpet, trumpet with mute & trombone – and sections – sax/trumpet/trombone – available. The section instruments have four different articulations, which you can easily choose by turning the knob and/or assigning key switches:

Organ

The organ used for these samples is an old, authentic Hammond C3 of 1957:
Many controls which you’ll find on a real organ are available: Percussion, Vibrato/Chorus, Distortion and a Rotator. You can find the original drawbar settings for each preset in the instrument options of every preset.

**Orchestral**

The orchestral collection features the VSL Kontakt Orchestra as well as a fine selection of orchestral percussion and two grand pianos:

<table>
<thead>
<tr>
<th>Name</th>
<th>Short Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VSL Strings</td>
<td>see appendix</td>
</tr>
<tr>
<td>VSL Woodwinds</td>
<td>see appendix</td>
</tr>
<tr>
<td>VSL Brass</td>
<td>see appendix</td>
</tr>
<tr>
<td>VSL Percussion</td>
<td>see appendix</td>
</tr>
<tr>
<td>Orchestral Percussion</td>
<td>various percussion instrument, all with articulation control</td>
</tr>
<tr>
<td>Keyboard Instruments</td>
<td>2 grand pianos, harpsichord + church organ</td>
</tr>
</tbody>
</table>

The orchestral percussion instruments feature adjustable articulations per note:
Synth

The purpose of the Synth collection is to supply you with contemporary and easy to use synth sounds. All instrument groups have specific controls on their performance views, so that editing a sound can easily be done.

<table>
<thead>
<tr>
<th>Name</th>
<th>Short Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pad (Layered)</td>
<td>Pads consisting of two layers</td>
</tr>
<tr>
<td>Pad (Single)</td>
<td>Simple Pads with one layer</td>
</tr>
<tr>
<td>Choir</td>
<td>Synth Choir patches</td>
</tr>
<tr>
<td>Bass</td>
<td>Analog/Digital bass sounds</td>
</tr>
<tr>
<td>Lead</td>
<td>Analog/Digital Lead sounds</td>
</tr>
<tr>
<td>Mallet</td>
<td>Short, percussive sounds</td>
</tr>
<tr>
<td>Arpeggiator</td>
<td>Synth sounds featuring the arpeggiator</td>
</tr>
<tr>
<td>Sequencer</td>
<td>Synth sounds featuring the poly step module</td>
</tr>
<tr>
<td>Synth Drums</td>
<td>a collection of synth kits, all featuring the drum computer</td>
</tr>
</tbody>
</table>

The samples for this collection come from various sources, from hardware analog/digital machines to acoustic instruments and software synthesizers. All samples however have been processed and mastered for a more "production-ready" sound (in contrast to the Vintage collection, where all samples are recorded "pure").

Take a look at **Arpeggiator** section:

Apart from the 'Instruments' Page, you'll find an arpeggiator, and the notes produced by the arpeggiator are processed by a Harmonizer. Both modules have easy to use Preset knobs, so you can change arpeggios and harmonizations on the fly.
Urban Beats

The Urban Beats Collection differs slightly from the other collections since we're dealing here with prerecorded loops instead of single instruments.

The collection is divided into two main parts:

- Performance Instruments, containing all tracks of one single loop (first folder)
- Track Instruments, containing only one instrument type from several loops (folders 2 - 8)

Here's an overview of the folder structure in this collection:

<table>
<thead>
<tr>
<th>Name</th>
<th>Short Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - Performances</td>
<td>All Loops as Performance Instruments, with their original tempo stated in the name</td>
</tr>
<tr>
<td>2 - Kicks</td>
<td>All Kick Drum Tracks</td>
</tr>
<tr>
<td>3 - Snares</td>
<td>All Snare Drum Tracks</td>
</tr>
<tr>
<td>4 - Claps</td>
<td>All Clap Tracks</td>
</tr>
<tr>
<td>5 - Hihats &amp; Shakers</td>
<td>All Hihats &amp; Shaker Tracks</td>
</tr>
<tr>
<td>6 - Cymbals</td>
<td>All Cymbal Tracks</td>
</tr>
<tr>
<td>7 - Percussion</td>
<td>All Percussion Tracks</td>
</tr>
<tr>
<td>8 - SFX</td>
<td>All Sound Effect Tracks</td>
</tr>
</tbody>
</table>

Both performances and tracks share common principles:

- The original loops are mapped from C3 (middle C) to B3
- Below, from C1 to B2 you'll find single shots
- From C4 to B4 you'll find an octave which triggers patterns from the drum computer, which itself triggers notes from the single shot range
- The notes from C5 to C6 trigger master effect presets

Let's see how this works with the performances:

As stated above, you trigger the loops from C3 to B3, the screenshot above depicts the settings for this loop section. Each of the performance loops contains several tracks, from six to thirteen. In the above example, the loop contains nine tracks.

If you now play C3, all nine tracks will be played with each track being at its default level.
Now play Db3:

As you can see, the first and second tracks are muted. You can freely adjust the volume levels for each track and for each preset.

Note that when playing "legato" or using the sustain pedal, playing a different note (aka triggering a different preset) will not reset the clock, i.e. everything stays in its metrical position (most of the loops are 4 bars long).

You can also select a track in the bottom section of the performance view and alter various settings (see the info tags for a description of the parameters).

The single shot section is easy to grasp:

This is similar to all drum kit instruments of the Kontakt 3 Library: just play a note and adjust various parameters.

Now, let's play attention to the Master FX page:
As you can see, there are various effects acting on the master sum of the instrument. The fun starts with the knob labeled **Preset**: each setting you make with the knobs is immediately saved with the current preset. And each of the presets corresponds to a particular MIDI note, so you can trigger loops, patterns and single shots while firing up effect settings in real time.

The first preset which corresponds to C5 is called the Default Preset. If **Snap to Default** is selected, releasing a note in the range of C5 to C6 will always snap back to this preset.

The track instruments are more or less identical, except for the loop section:

Here, playing in a legato fashion will retrigger the clock, so the loop will always start from the first beat of the first measure (this is because of voice and CPU considerations). However, you can set a **Input Quantize** function with the **Legato Quantize** drop-down menu to stay in sync.

The track instruments are meant to be used with each other in a multi, this is just a great way to experiment with different parts of a loop and let’s you create your own sound:
**Vintage**

The Vintage Collection features samples from old synthesizers, organs, keyboards and toy instruments. The samples were recorded as dry and pure as possible, no external processing was applied. Also, there is little to none processing in Kontakt itself, the aim of these patches is to give you the true and authentic sound of the original hardware.

Here's an overview of the various instrument. Each instrument has its own folder except for the "Analog Machines" and "Digital Machines":

<table>
<thead>
<tr>
<th>Name</th>
<th>Short Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analog Machines</td>
<td>Various contemporary analog hardware synthesizers.</td>
</tr>
<tr>
<td>Digital Machines</td>
<td>Various digital synths from the 80s, including:</td>
</tr>
<tr>
<td></td>
<td>• Yamaha DX7</td>
</tr>
<tr>
<td></td>
<td>• Yamaha FS1R</td>
</tr>
<tr>
<td></td>
<td>• Yamaha TX81Z</td>
</tr>
<tr>
<td></td>
<td>• Kawai K5000</td>
</tr>
<tr>
<td>Drum Machines</td>
<td>Several Classic Drum Machines:</td>
</tr>
<tr>
<td></td>
<td>• Roland TR-808</td>
</tr>
<tr>
<td></td>
<td>• Roland TR-909</td>
</tr>
<tr>
<td></td>
<td>• Roland CR-78</td>
</tr>
<tr>
<td></td>
<td>• Oberheim DMX</td>
</tr>
<tr>
<td></td>
<td>• Sequential Circuits DrumTraks</td>
</tr>
<tr>
<td></td>
<td>• Linn Electronics Linndrum</td>
</tr>
<tr>
<td>Electone Organ</td>
<td>Several sounds from a Yamaha Electone Organ.</td>
</tr>
<tr>
<td>Electronic Pianos</td>
<td>Presets from several electronic pianos, including:</td>
</tr>
<tr>
<td></td>
<td>• Roland EP-10</td>
</tr>
<tr>
<td></td>
<td>• Roland EP-20</td>
</tr>
<tr>
<td></td>
<td>• Yamaha CP11</td>
</tr>
<tr>
<td></td>
<td>• Crumar Roady</td>
</tr>
<tr>
<td></td>
<td>• RMI Electra-Piano 300B</td>
</tr>
<tr>
<td>Electronic Toys</td>
<td>A collection of various toy instruments:</td>
</tr>
<tr>
<td></td>
<td>• Bee Gees Rhythm Machine (Mattel)</td>
</tr>
<tr>
<td></td>
<td>• Concertmate Drum Computer</td>
</tr>
<tr>
<td></td>
<td>• CS-01 II (Casio)</td>
</tr>
<tr>
<td></td>
<td>• Droopy the Dragon (Magic Wand, Texas Instruments)</td>
</tr>
<tr>
<td></td>
<td>• Peo 800 Mimi Organ (Phips)</td>
</tr>
<tr>
<td></td>
<td>• Handysound HS-200 (Yamaha)</td>
</tr>
<tr>
<td></td>
<td>• Rapman (Casio)</td>
</tr>
<tr>
<td></td>
<td>• SK-1 (Casio)</td>
</tr>
<tr>
<td></td>
<td>• Tronichord (Suzuki)</td>
</tr>
<tr>
<td></td>
<td>• VL-1 (Casio)</td>
</tr>
<tr>
<td></td>
<td>• VSS-30 (Yamaha)</td>
</tr>
<tr>
<td></td>
<td>for more information on these instruments please visit:</td>
</tr>
<tr>
<td></td>
<td><a href="http://www.miniorgan.com/">http://www.miniorgan.com/</a></td>
</tr>
<tr>
<td>F100</td>
<td>Various sounds from a Hammond F100 Extravoice tube synthesizer.</td>
</tr>
<tr>
<td>Memory</td>
<td>Various presets from a Memorymoog.</td>
</tr>
<tr>
<td>Mini</td>
<td>Various presets from a Minimoog.</td>
</tr>
<tr>
<td>Mini 700</td>
<td>Various presets from a MinKorg 700.</td>
</tr>
<tr>
<td>Orchestrator</td>
<td>Various sounds from a Crumar Orchestrator.</td>
</tr>
<tr>
<td>String Melody II</td>
<td>Various presets from the Logan String Melody II, a string synthesizer form the 70s</td>
</tr>
<tr>
<td>YC 30</td>
<td>Various sounds from a Yamaha YC-30 organ.</td>
</tr>
</tbody>
</table>
World

The World Collection features instruments from all over the world from different musical cultures like all kinds of flutes, reed instruments, bagpipes, percussion and much more.

The performance views are simple to use and are more or less the same for all melodic instruments (see below for the percussion instruments). The main performance view features controls for enabling legato mode, release noise and reverb parameters:

Again, legato can be turned on/off with MIDI CC 68, the reverb amount can be controlled with MIDI CC 91.

The melodic instruments also feature another performance view page called Tuning:

This module is the microtuner from the Kontakt 3 Script library and lets you easily detune each degree in the chromatic scale. See the info tags of the controls for a discussion of the parameters.

Please note that some of the instruments are diatonic instruments, i.e. they cannot produce the entire chromatic scale. The instruments were however mapped chromatically, but for an authentic playing style, keep the original tuning in mind!
**Flutes**

The flute section compromises a selection of end-blown and transverse flutes.

<table>
<thead>
<tr>
<th>Name</th>
<th>Category/Description</th>
<th>Origin</th>
<th>Original Tuning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bansuri</td>
<td>wooden (bamboo) transverse flute</td>
<td>North India</td>
<td>E</td>
</tr>
<tr>
<td>Irish Flute</td>
<td>simple wooden transverse flute</td>
<td>Ireland</td>
<td>D</td>
</tr>
<tr>
<td>Kaval</td>
<td>end-blown flute</td>
<td>Balkan</td>
<td>Chromatic</td>
</tr>
<tr>
<td>Persian Ney</td>
<td>end-blown flute</td>
<td>Iran</td>
<td>Chromatic</td>
</tr>
<tr>
<td>Shakuhachi</td>
<td>end-blown flute</td>
<td>Japan</td>
<td>D Pentatonic</td>
</tr>
<tr>
<td>Turkish Ney</td>
<td>end-blown flute</td>
<td>Turkey</td>
<td>Chromatic</td>
</tr>
</tbody>
</table>

**Recorders**

Recorders are different from the above flute section in terms of tone production since these instruments incorporate a fipple mouthpiece.

<table>
<thead>
<tr>
<th>Name</th>
<th>Category/Description</th>
<th>Origin</th>
<th>Original Tuning</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Whistle</td>
<td>also known as the &quot;Tin Whistle&quot;</td>
<td>Ireland</td>
<td>C</td>
</tr>
<tr>
<td>Low Whistle</td>
<td></td>
<td>Ireland</td>
<td>C</td>
</tr>
<tr>
<td>Piccolo Recorder</td>
<td></td>
<td>Europe</td>
<td>Chromatic (F)</td>
</tr>
<tr>
<td>Soprano Recorder</td>
<td></td>
<td>Europe</td>
<td>Chromatic (C)</td>
</tr>
<tr>
<td>Tenor Recorder</td>
<td></td>
<td>Europe</td>
<td>Chromatic (C)</td>
</tr>
</tbody>
</table>

**Reed Instruments**

Here they are, the beloved snake-charming counterparts of the European oboe:

<table>
<thead>
<tr>
<th>Name</th>
<th>Category/Description</th>
<th>Origin</th>
<th>Original Tuning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duduk</td>
<td></td>
<td>Armenia</td>
<td>Chromatic</td>
</tr>
<tr>
<td>Shehnai</td>
<td></td>
<td>North India</td>
<td>Chromatic</td>
</tr>
<tr>
<td>Zurna</td>
<td>melisma in top velocity layer</td>
<td>Turkey</td>
<td>D</td>
</tr>
</tbody>
</table>

The duduk is available in two versions, "Duduk.nki" and "Duduk (Xfade Legato).nki". The latter makes use of a special legato technique in Kontakt called "Sample Offset" Legato. The principle of this legato technique is, that a legato played note is played with a sample offset. The sample offset is determined by the length of the previously held note.

The result is that when you play a legato passage, you will eventually "run out of air", just like a real player. However the resulting passage will sound much more authentic.

Since this method of legato playing only works when all samples are fully loaded into RAM, the legato version of the duduk will take more time to load the normal version.
Bagpipes

Although the term bagpipe is usually associated with the Great Highland Pipe from Scotland, various forms of bagpipes exist in different musical cultures.

<table>
<thead>
<tr>
<th>Name</th>
<th>Category/Description</th>
<th>Origin</th>
<th>Original Tuning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highland Pipes</td>
<td>bagpipe with three drones</td>
<td>Scotland</td>
<td>A mixolydian</td>
</tr>
<tr>
<td>Tulum</td>
<td>bagpipe with two chanters</td>
<td>Turkey</td>
<td>G</td>
</tr>
<tr>
<td>Uilleann Pipes</td>
<td>bagpipes with one chanter, three drones and three regulators</td>
<td>Ireland</td>
<td>D</td>
</tr>
</tbody>
</table>

The Uilleann Pipes feature separate controls for the drones and regulators:

As with the Highland Pipes, there is a designated key range where notes will be latched, i.e. playing a note starts the sample, playing the same note again stops the sample. These notes are known as the drones of a bagpipe.

Accordions

The accordion section features two instruments, a standard accordion and a melodeon, a diatonic button accordion from England.

The accordion has two registers, bass (E0 - E3) and treble (F3 - C6). For each of the two registers, you can select a separate registration:
**Strings**

The following bowed and plucked string instruments are available:

<table>
<thead>
<tr>
<th>Name</th>
<th>Category/Description</th>
<th>Origin</th>
<th>Original Tuning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiddle</td>
<td>&quot;folk violin&quot;</td>
<td>Ireland</td>
<td>Chromatic</td>
</tr>
<tr>
<td>Kora</td>
<td>&quot;harp-lute&quot; with 21 strings</td>
<td>West Africa</td>
<td>Diatonic</td>
</tr>
<tr>
<td>Nyatiti</td>
<td>lyre with 8 strings</td>
<td>Kenya</td>
<td>Diatonic</td>
</tr>
<tr>
<td>Oud</td>
<td>lute</td>
<td>Turkey</td>
<td>Chromatic</td>
</tr>
</tbody>
</table>

**Metallophones**

<table>
<thead>
<tr>
<th>Name</th>
<th>Category/Description</th>
<th>Origin</th>
<th>Original Tuning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Celesta</td>
<td></td>
<td>Europe</td>
<td>Chromatic</td>
</tr>
<tr>
<td>Kalimba</td>
<td>thumb piano</td>
<td>Africa</td>
<td>Diatonic</td>
</tr>
<tr>
<td>Music Box</td>
<td></td>
<td>Europe</td>
<td>Chromatic</td>
</tr>
<tr>
<td>Sansa</td>
<td>tuned idiophone similar to a kalimba</td>
<td>East Asia</td>
<td>Fixed</td>
</tr>
<tr>
<td>Small Gongs</td>
<td></td>
<td>Caribbean</td>
<td>Fixed</td>
</tr>
<tr>
<td>Steel Drums</td>
<td></td>
<td>East Asia</td>
<td>Fixed</td>
</tr>
<tr>
<td>Tuned Gongs</td>
<td></td>
<td>East Asia</td>
<td>Fixed</td>
</tr>
</tbody>
</table>

The celesta is available in two versions, a close-mic'd "Dry" version and a "Room" version with room ambience.

**Percussion**

As with other percussion kits in the Kontakt 3 library, the percussion section in the World Collection follows a standardized layout and easy to use performance view concept:

- One Shots: the single drum instruments are mapped from C1 to B2
- Loops: there are seven percussion loops per .nki which are based on the single drum instruments and mapped to the white keys starting from C3

The performance view lets you adjust parameters per drum instrument:

![Performance View Example](image)

In the above example, the selected drum instrument is "Darabuka Open Flam", it corresponds to MIDI note F1. If **Select by MIDI** is selected, you can simply play a note and the settings for each drum
The instrument will appear on the performance view. The Master Reverb is of course not changed per instrument.

Here's a list of all included percussion kits (note that some instruments like the Darabuka and the Dunbek have been merged into one preset):

<table>
<thead>
<tr>
<th>Name</th>
<th>Category/Description</th>
<th>Origin</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>African Shakers</td>
<td>Various Shakers</td>
<td>West Africa</td>
<td></td>
</tr>
<tr>
<td>Bongos</td>
<td>Small Hand Drum</td>
<td>Cuba</td>
<td></td>
</tr>
<tr>
<td>Congas</td>
<td>Large Hand Drum</td>
<td>Cuba</td>
<td></td>
</tr>
<tr>
<td>Daf</td>
<td>Large sized Frame Drum</td>
<td>Middle East (Persian)</td>
<td>loops start at C4</td>
</tr>
<tr>
<td>Dayereh</td>
<td>Medium sized Frame Drum w/ jingles</td>
<td>Middle East (Persian)</td>
<td></td>
</tr>
<tr>
<td>Darabuka</td>
<td>Goblet Drum</td>
<td>Middle East</td>
<td></td>
</tr>
<tr>
<td>Dunbek</td>
<td>Goblet Drum</td>
<td>Middle East</td>
<td></td>
</tr>
<tr>
<td>Djembes</td>
<td>large Goblet Drum</td>
<td>West Africa</td>
<td></td>
</tr>
<tr>
<td>Ewe</td>
<td>various bells</td>
<td>West Africa</td>
<td></td>
</tr>
<tr>
<td>Toke</td>
<td>iron metal percussion</td>
<td>West Africa</td>
<td></td>
</tr>
<tr>
<td>Gongs</td>
<td>Selection of gongs</td>
<td>East Asia</td>
<td>no loop</td>
</tr>
<tr>
<td>Kroboto</td>
<td>master drum</td>
<td>West Africa</td>
<td>loops start at C4</td>
</tr>
<tr>
<td>Boba</td>
<td>master drum</td>
<td>West Africa</td>
<td></td>
</tr>
<tr>
<td>Kidi</td>
<td>middle sized drum played with sticks</td>
<td>West Africa</td>
<td></td>
</tr>
<tr>
<td>Riq</td>
<td>Frame Drum with jingles</td>
<td>Middle East</td>
<td></td>
</tr>
<tr>
<td>Taikos</td>
<td>large drums</td>
<td>East Asia</td>
<td></td>
</tr>
<tr>
<td>Timbales</td>
<td>pair of drums, played with sticks</td>
<td>Cuba</td>
<td></td>
</tr>
<tr>
<td>Tonbak</td>
<td>Goblet Drum</td>
<td>Middle East (Persian)</td>
<td>loops start at C4</td>
</tr>
<tr>
<td>Tar</td>
<td>Frame Drum (similar to the Daf)</td>
<td>Middle East (Turkey)</td>
<td></td>
</tr>
<tr>
<td>Davul</td>
<td>large drum played with mallets</td>
<td>Middle East (Turkey)</td>
<td></td>
</tr>
</tbody>
</table>
Credits

Library Concept and Specification: Nicki Marinic

Main Sound Design: Nicki Marinic, Paul Maurer, Tobias Menguser, Robert Linke, Christian Wachsmuth, Marin Vrbica, Christoph Marotzke

Additional Sounddesign: Denis Gökdag, Matthias Seber, Daniel Ziegowski, Nadine Raihani
Performance View Graphic Design: Philipp Granzin, Klaus Zimmermann

All KSP programming by Nicki Marinic & Josef Natterer

Thanks to Eric Schneider for providing the toy instruments!
## Sample Provider

<table>
<thead>
<tr>
<th>Collection</th>
<th>Group</th>
<th>Sample Provider</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Band</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Homs</td>
<td>Chris Hein</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acoustic Pianos</td>
<td>Native Instruments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Electric Pianos</td>
<td>Native Instruments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Organ</td>
<td>Native Instruments</td>
<td>Organ recorded with: Jojo Büld</td>
</tr>
<tr>
<td></td>
<td>Guitar</td>
<td>Pettinhouse, Native Instruments and others</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bass</td>
<td>Pettinhouse, Native Instruments and others</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Drum Kits</td>
<td>Native Instruments, Simone Cohen and others</td>
<td></td>
</tr>
<tr>
<td><strong>Orchestral</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>VSL Strings</td>
<td>Vienna Symphonic Library</td>
<td></td>
</tr>
<tr>
<td></td>
<td>VSL Woodwinds</td>
<td>Vienna Symphonic Library</td>
<td></td>
</tr>
<tr>
<td></td>
<td>VSL Brass</td>
<td>Vienna Symphonic Library</td>
<td></td>
</tr>
<tr>
<td></td>
<td>VSL Percussion</td>
<td>Vienna Symphonic Library</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Orchestral Percussion</td>
<td>Native Instruments and others</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Keyboard Instruments</td>
<td>Native Instruments, Northstar</td>
<td></td>
</tr>
<tr>
<td><strong>Synth</strong></td>
<td>Pads (Layered)</td>
<td>Native Instruments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pads (Single)</td>
<td>Native Instruments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Choir</td>
<td>Native Instruments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bass</td>
<td>Native Instruments</td>
<td>Mastered by Dennis Gökdag</td>
</tr>
<tr>
<td></td>
<td>Lead</td>
<td>Native Instruments</td>
<td>Mastered by Dennis Gökdag</td>
</tr>
<tr>
<td></td>
<td>Mallet</td>
<td>Native Instruments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sequencer</td>
<td>Native Instruments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Synth Drums</td>
<td>Native Instruments and others</td>
<td></td>
</tr>
<tr>
<td><strong>Urban Beats</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Beatlab and Timetools</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Vintage</strong></td>
<td>Analog Machines</td>
<td>Native Instruments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Digital Machines</td>
<td>Klaus Dieter Pollack</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Drum Machines</td>
<td>Native Instruments and others</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Electone Organ</td>
<td>Danny Zelonky</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Electronic Pianos</td>
<td>Danny Zelonky</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Electronic Toys</td>
<td>Native Instruments</td>
<td>Instruments provided by Eric Schneider</td>
</tr>
<tr>
<td></td>
<td>F 100</td>
<td>Danny Zelonky</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Memory</td>
<td>Danny Zelonky</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mini</td>
<td>Stephan Rühl</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mini 700</td>
<td>Danny Zelonky</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Orchestrator</td>
<td>Danny Zelonky</td>
<td></td>
</tr>
<tr>
<td></td>
<td>String Melody II</td>
<td>Native Instruments</td>
<td>Recorded with: Jojo Büld</td>
</tr>
<tr>
<td></td>
<td>YC 30</td>
<td>Danny Zelonky</td>
<td></td>
</tr>
<tr>
<td><strong>World</strong></td>
<td>Flutes</td>
<td>Native Instruments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Recorders</td>
<td>Native Instruments, Christoph Marozke</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reeds</td>
<td>Native Instruments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bagpipes</td>
<td>Native Instruments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Accordions</td>
<td>Native Instruments, Christoph Marozke</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Strings</td>
<td>Native Instruments, Soundwarrior</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Metallophones</td>
<td>Native Instruments, Christoph Marozke, Soundwarrior and others</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Percussion</td>
<td>Soundwarrior</td>
<td></td>
</tr>
</tbody>
</table>
Appendix

VSL Kontakt Orchestra

About the Vienna Symphonic Orchestra Kontakt Edition

This special edition of the Vienna Symphonic Orchestra was specifically made for Kontakt 2 to take advantage of the new Kontakt Script Processor for the performance instruments. The library includes 30 instruments of an Orchestra to provide you with a set of instruments for your orchestral compositions.

The Vienna Symphonic Library is one of the most comprehensive Orchestral Sample Libraries that has ever been created. The structure of the library has been kept as intuitive as possible. In the following sections, you will find explanations for the structure and usage of the library, as well as a complete list of the included instruments. You will also find more information on how to use the special performance instruments with the performance script modules.

If you need more information about further VSL-Libraries, or the original instruments, please visit http://www.vsl.co.at

Instrument overview:

STRINGS

- 01 Violin ensemble
- 02 Viola ensemble
- 03 Cello ensemble
- 04 Double Bass ensemble
- 05 Harp

Playing techniques:

- Staccato: up and down bow
- Long notes: sustained notes, with vibrato
- Special dynamics: fortissimo, sforzando
- Tremolos: sustained tremolos
- Pizzicato: pizzicato
- Performance: legato / repetition
- Harp: Normal / Flageolet

WOODWINDS

- 06 Piccolo Flute
- 07 Flute
- 08 Oboe
- 09 French Oboe
- 10 English Horn
- 11 Clarinet
- 12 Bass Clarinet
- 13 Clarinet & Bass Clarinet
- 14 Bassoon
• 15 Contrabassoon
• 16 Bassoon & Contrabassoon

Playing techniques:
Staccato: 2 variations
Long notes: sustained notes, (some with vibrato)
Special dynamics: fortепiano, sforzando
Performance: legato

BRASS
• 17 Trumpet solo
• 18 Trumpet ensemble
• 19 French Horn solo
• 20 French Horn ensemble
• 21 Trombone solo
• 22 Trombone ensemble
• 23 Tuba

Playing techniques:
Staccato: 2 variations
Long notes: sustained notes, (some with vibrato)
Special dynamics: fortепiano, sforzando
Performance: legato

PERCUSSION
• 24 Timpani
• 25 Drums
• 26 Cymbals
• 27 Percussion
• 28 Mallets & Bells

Playing techniques:
Depending on instrument, e.g. single strokes, tremolo
Most of these instrument folders contain subfolders with the different type of instruments.

Explanation of subfolders

01 Standard Instruments:
These folders contain the basic instruments with different playing techniques (staccato, sustain, sforzando, fortepiano, pizzicato, and tremolo)
The (all) instruments have keyswitches assigned (C0-F#0 or C5-F#5) to switch between the different playing techniques.

02 Modwheel X-Fades:
These folders contain all instruments from the standard folder, but instead of having the layers switched via velocity, the layers can be dynamically changed with the modwheel (Ctrl.1). Please notice, that these instruments use 3 or more voices per note, resulting in more CPU usage than the standard instruments.

03 Release Triggers
These folders contain sustain and tremolo versions which have additional release samples, triggered by note-off.

04 Legato Instruments / 04 Repetition Instruments
These special instruments, which use performance scripts programmed in the Kontakt Script Processor, are available for:

- Violin ens 14 (legato)
- Viola ens 10 (legato)
- Cello ens 8 (legato)
- Flute (legato)
- Frn Horn ens 4 (legato)
- Bass ens 6 (repetition)
- Tromb ens 3 (repetition)

LEGATO Tool

The Legato Tool in the Legato instruments enables you to perform authentic monophonic legato lines on your keyboard. Specific Legato instruments have been created that work in Legato Mode. Legato instrument files will always have (legato) in their name, e.g., “Violin ens 14 (legato)”, containing violin ensemble Performance Legatos.

The Settings of a Legato Instrument

Legato Threshold
It may be that your performance on the keyboard leaves something to be desired. So, if you get too many starting notes (non legato) for your liking, you can use the LegTime knob to adapt the time within which the tool will recognize two consecutive notes as legato.

If you set this too high, however, almost every sequence will be played legato even if you intend to play a new starting note. Just experiment with the setting to adjust it to your playing style – or play your sequence first and set the legato threshold during playback.

Function Keys: Ghost, Release Trigger, Repetition Trigger
With the help of function keys, you can access special functions directly on your MIDI keyboard, or insert them in your recorded MIDI track to make your performance even more realistic. By clicking within the appropriate fields, you can set the trigger notes for the function keys.

Ghost: Press this key to have the next starting note muted. For instance, you could later copy these notes to another track to have them played in another technique of your choice.
The Ghost function makes it possible to start a legato passage from any other starting note (from another MIDI track), e.g., from a crescendo, a diminuendo, a sforzato. An example: In your sequencer, you record a three bar legato passage in piano (soft), using legato performances. But you want a strong accent on the first note of this passage, instead of the now recorded piano tone. So you decide you want to use a fortepiano tone from the “Special Dynamics”.

In this case you put a ghost function key prior to the first note. Now the first note won’t be played, but the second note still has the right transition from the ending of the (now silent) first note to the second note.

Now you copy this first note to the MIDI track that is to play the fortepiano note. (Leave the muted note in the legato track, as the second legato note still needs to know where the transition comes from!) Playing both MIDI tracks, you will get the proper transition from the fortepiano note to the legato passage.

**Release trigger:** Use this if you want to have the last note of a sequence end with a special release sample for increased authenticity. To activate this function, press the trigger note after the last note is played. The release sample will be played after the specified release time (see above).

**Attention:** if you hold a note too long, the release sample will still be triggered after the natural duration of the note, and you will hear the sample as a distinct extra tone. The notes of legato performances are quite long, of course, but for the sake of your computer’s memory they are far from endless ...

**Repetition trigger:** This key has the function of providing a legato repetition instead of a fresh starting note. Press it before the repetition note when it should be part of a continuing legato sequence rather than the beginning of a new one.

Please note: Repetition trigger is not available in the French Horn ensemble (Frn Horn ens 4 (legato)).

**REPETITION Tool**

The purpose of the Repetition Tool in the Repetition instruments is to enable you to create realistic sounding repeated notes. Specific Repetition Instruments have been created to work in with the Repetition tool.

In the VSL Kontakt Orchestra, instruments for use with the Repetition Tool have the designation “(repetition)” included in the file name. These are the only instruments that will work with the Repetition tool.
The Style display

Within the Repetition tool, you will find a style display (the single line at the top displaying "LineNr: 1 - 1 1 1 1 - GroupNr" in the example above) and a matrix (the larger display to the left). The style display shows the repetition entries themselves. The entries can be toggled only between 0 and 1 by using the buttons labeled I, II, III etc., defining whether a sample is to be played or not. So when the style displays shows 1 1 1 1 1, all five repetitions will be played. If it shows 1 1 1 1 0, only the first four repetitions will be played, the last note is omitted.

The two repetition instruments provided with the VSL Kontakt Orchestra both contain 5 repetitions, recorded as quarter notes at bpm = 60.

Again, let’s have a look at the basic settings again.
Another important setting is the First Keyswitch Delay. This assures that your performance will be aligned with the meter you’re in, and that the repetitions don’t lag behind the tempo of your piece. For our current instrument, it is set to 50 ms.

Release: The Release Time defines the time you have to play the next tone of the repetition (your Note off Event is being delayed). Since both instruments have been recorded with quarter notes at 60 bpm, 1 second is a reasonable choice.

The Matrix

The matrix displays 12 lines of repetition sequences with 5 entries each, which you can configure according to your needs.

The first entry shows the line number (up to 12 lines are available). As our current instrument has five repetitions, the basic patterns are all set to five entries.

Each matrix line now has five entries. The sequence of “1s” and “0s” defines which of the instrument’s repetitions are to be played; a sequence of “1–0–1–0–1” will play the first, third, and 5th note. You can now configure the lines for the repetitions you have in mind. Please note that it is not possible to have a matrix line without repetitions – you will not be able to toggle the last “1” in a repetition sequence.

As a general rule for repetition “speed limits”: The slower the recorded tempo of the repetition, the higher the possible factor of acceleration (you can easily speed up legato repetitions of 4ths at 60 BPM (4_60) to at least 120 BPM!). So this means for the two repetition instruments included with the VSL Kontakt Orchestra that you can play repetitions faster than 4ths at 60 bpm but not slower.

Function keys: Jump to Last, Skip First

These function keys provide special functions that will make your performance even more realistic. You can set them according to your needs, but make sure that they don’t interfere with any of the other keyboard areas that are taken up by play zone, keyswitches, and matrix line switches.

JumpLast: If you press this key, the next sample played will be the last active entry in the matrix line. Normally, this will also be the finishing note of the sampled repetition sequence, so you can place the end of your repetition sequence at will. The next sample played will be the first active entry of the matrix line (normally the starting note).

Skip First On/Off: To play long repetition sequences without employing “chain Mode” (see below), you can use these switches. Pressing the key assigned to Skip First On will cause the tool to skip the starting note of the repetition line until you hit the Skip First Off key. Thus, your initial number of repetitions can easily be increased to any amount you like.
**Chain Mode**

Chain Mode links the matrix lines so that you will get a sequence of repetitions consisting of all the matrix lines – in sequence! This allows you to create long repetition sequences with a fair amount of variation (even five repetitions tend to become boring if they’re always in the same order). You can still switch matrix lines while Chain Mode is activated; the Tool simply will jump to the selected line and continue from there.

The scripts cannot be adapted to other instruments, as the above instruments contain many more samples than the other instruments. If you want to get more „performance Instruments“, please contact VSL for more information.  http://www.vsl.co.at

**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.
**Instrument List**

**01 VIOLIN ENSEMBLE**

**01 Standard Instruments**

- Violin ens 14 (all).nki
- Articulations: staccato (1+2 down & up), sustain, tremolo, sforzando, fortepiano, pizzicato
- Violin ens 14 (fortepiano).nki
- fortepiano
- Violin ens 14 (pizzicato).nki
- pizzicato
- Violin ens 14 (sforzando).nki
- sforzando
- Violin ens 14 (stac 1).nki
- staccato downbow
- Violin ens 14 (stac 1+2 alt).nki
- staccato downbow/upbow alternating
- Violin ens 14 (stac 1+2).nki
- staccato downbow/upbow keyswitched
- Violin ens 14 (stac 2).nki
- staccato upbow
- Violin ens 14 (sustain).nki
- sustain
- Violin ens 14 (tremolo).nki
- tremolo

**02 Modwheel X-Fades**

- Violin ens 14 (all X).nki
- Articulations: staccato (1+2 down & up), sustain, tremolo, sforzando, fortepiano, pizzicato / Modwheel fades between piano and forte
- Violin ens 14 (fortepiano X).nki
- fortepiano / Modwheel fades between piano and forte
- Violin ens 14 (pizzicato X).nki
- pizzicato / Modwheel fades between piano and forte
- Violin ens 14 (sforzando X).nki
- sforzando / Modwheel fades between piano and forte
- Violin ens 14 (stac 1 X).nki
- staccato downbow / Modwheel fades between piano and forte
- Violin ens 14 (stac 1+2 alt X).nki
- staccato downbow/upbow alternating / Modwheel fades between piano and forte
- Violin ens 14 (stac 1+2 X).nki
- staccato downbow/upbow keyswitched / Modwheel fades between piano and forte
- Violin ens 14 (stac 2 X).nki
- staccato upbow / Modwheel fades between piano and forte
- Violin ens 14 (sustain X).nki
- sustain / Modwheel fades between piano and forte
- Violin ens 14 (tremolo X).nki
- tremolo / Modwheel fades between piano and forte

**03 Release Triggers**

- Violin ens 14 (sustain+rls).nki
- sustain + release samples
- Violin ens 14 (tremolo+rls).nki
- tremolo + release samples

**04 Legato Instruments**

- Violin ens 14 (legato).nki
- legato with KSP legato tool

**02 VIOLA ENSEMBLE**

**01 Standard Instruments**

- Viola ens 10 (all).nki
- Articulations: staccato (1+2 down & up), sustain, tremolo, sforzando, fortepiano, pizzicato
- Viola ens 10 (fortepiano).nki
- fortepiano
- Viola ens 10 (pizzicato).nki
- pizzicato
- Viola ens 10 (sforzando).nki
- sforzando
- Viola ens 10 (stac 1).nki
- staccato downbow
- Viola ens 10 (stac 1+2 alt).nki
- staccato downbow/upbow alternating
- Viola ens 10 (stac 1+2).nki
- staccato downbow/upbow keyswitched
- Viola ens 10 (stac 2).nki
- staccato upbow
- Viola ens 10 (sustain).nki
- sustain
- Viola ens 10 (tremolo).nki
- tremolo

**02 Modwheel X-Fades**

- Viola ens 10 (all X).nki
- Articulations: staccato (1+2 down & up), sustain, tremolo, sforzando, fortepiano, pizzicato / Modwheel fades between piano and forte
- Viola ens 10 (fortepiano X).nki
- fortepiano / Modwheel fades between piano and forte
- Viola ens 10 (pizzicato X).nki
- pizzicato / Modwheel fades between piano and forte
- Viola ens 10 (sforzando X).nki
- sforzando / Modwheel fades between piano and forte
- Viola ens 10 (stac 1 X).nki
- staccato downbow / Modwheel fades between piano and forte
- Viola ens 10 (stac 1+2 alt X).nki
- staccato downbow/upbow alternating / Modwheel fades between piano and forte
- Viola ens 10 (stac 1+2 X).nki
- staccato downbow/upbow keyswitched / Modwheel fades between piano and forte
- Viola ens 10 (stac 2 X).nki
- staccato upbow / Modwheel fades between piano and forte
- Viola ens 10 (sustain X).nki
- sustain / Modwheel fades between piano and forte
- Viola ens 10 (tremolo X).nki
- tremolo / Modwheel fades between piano and forte

**03 Release Triggers**

- Viola ens 10 (sustain+rls).nki
- sustain + release samples
- Viola ens 10 (tremolo+rls).nki
- tremolo + release samples

**04 Legato Instruments**

- Viola ens 10 (legato).nki
- legato with KSP legato tool
03 CELLO ENSEMBLE

01 Standard Instruments
- Cello ens 8 (all).nki Articulations: staccato (1+2 down & up), sustain, tremolo, sforzando, fortepiano, pizzicato
- Cello ens 8 (fortepiano).nki fortepiano
- Cello ens 8 (pizzicato).nki pizzicato
- Cello ens 8 (sforzando).nki sforzando
- Cello ens 8 (stac 1).nki staccato downbow
- Cello ens 8 (stac 1+2 alt).nki staccato downbow/upbow alternating
- Cello ens 8 (stac 1+2).nki staccato downbow/upbow keyswitched
- Cello ens 8 (stac 2).nki staccato upbow
- Cello ens 8 (sustain).nki sustain
- Cello ens 8 (tremolo).nki tremolo

02 Modwheel X-Fades
- Cello ens 8 (all X).nki Articulations: staccato (1+2 down & up), sustain, tremolo, sforzando, fortepiano, pizzicato / Modwheel fades between piano and forte
- Cello ens 8 (fortepiano X).nki fortepiano / Modwheel fades between piano and forte
- Cello ens 8 (pizzicato X).nki pizzicato / Modwheel fades between piano and forte
- Cello ens 8 (sforzando X).nki sforzando / Modwheel fades between piano and forte
- Cello ens 8 (stac 1 X).nki staccato downbow / Modwheel fades between piano and forte
- Cello ens 8 (stac 1+2 alt X).nki staccato downbow/upbow alternating / Modwheel fades between piano and forte
- Cello ens 8 (stac 1+2 X).nki staccato downbow/upbow keyswitched / Modwheel fades between piano and forte
- Cello ens 8 (stac 2 X).nki staccato upbow / Modwheel fades between piano and forte
- Cello ens 8 (sustain X).nki sustain / Modwheel fades between piano and forte
- Cello ens 8 (tremolo X).nki tremolo / Modwheel fades between piano and forte

03 Release Triggers
- Cello ens 8 (sustain+rls).nki sustain + release samples
- Cello ens 8 (tremolo+rls).nki tremolo + release samples

04 Legato Instruments
- Cello ens 8 (legato).nki legato with KSP legato tool

04 DOUBLE BASS ENSEMBLE

01 Standard Instruments
- Bass ens 6 (all).nki Articulations: staccato (1+2 down & up), sustain, tremolo, sforzando, fortepiano, pizzicato
- Bass ens 6 (fortepiano).nki fortepiano
- Bass ens 6 (pizzicato).nki pizzicato
- Bass ens 6 (sforzando).nki sforzando
- Bass ens 6 (stac 1).nki staccato downbow
- Bass ens 6 (stac 1+2 alt).nki staccato downbow/upbow alternating
- Bass ens 6 (stac 1+2).nki staccato downbow/upbow keyswitched
- Bass ens 6 (stac 2).nki staccato upbow
- Bass ens 6 (sustain).nki sustain
- Bass ens 6 (tremolo).nki tremolo

02 Modwheel X-Fades
- Bass ens 6 (all X).nki Articulations: staccato (1+2 down & up), sustain, tremolo, sforzando, fortepiano, pizzicato / Modwheel fades between piano and forte
- Bass ens 6 (fortepiano X).nki fortepiano / Modwheel fades between piano and forte
- Bass ens 6 (pizzicato X).nki pizzicato / Modwheel fades between piano and forte
- Bass ens 6 (sforzando X).nki sforzando / Modwheel fades between piano and forte
- Bass ens 6 (stac 1 X).nki staccato downbow / Modwheel fades between piano and forte
- Bass ens 6 (stac 1+2 alt X).nki staccato downbow/upbow alternating / Modwheel fades between piano and forte
- Bass ens 6 (stac 1+2 X).nki staccato downbow/upbow keyswitched / Modwheel fades between piano and forte
- Bass ens 6 (stac 2 X).nki staccato upbow / Modwheel fades between piano and forte
- Bass ens 6 (sustain X).nki sustain / Modwheel fades between piano and forte
- Bass ens 6 (tremolo X).nki tremolo / Modwheel fades between piano and forte

03 Release Triggers
- Bass ens 6 (sustain+rls).nki sustain + release samples
- Bass ens 6 (tremolo+rls).nki tremolo + release samples

04 Repetition Instruments
- Bass ens 6 (repetition).nki repetition with KSP repetition tool

05 HARP

01 Standard Instruments
- Harp (all).nki modwheel down (0-63) = normal / modwheel up (64-128) = flageolet
- Harp (flageolet).nki
- Harp (normal).nki
WOODWINDS

06 PICCOLO FLUTE

01 Standard Instruments

Piccolo (all).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano
Piccolo (fortepiano).nki fortepiano
Piccolo (sforzando).nki sforzando
Piccolo (stac 1).nki staccato 1
Piccolo (stac 1+2 alt).nki staccato 1/staccato 2 alternating
Piccolo (stac 2).nki staccato 2
Piccolo (sustain).nki sustain

02 Modwheel X-Fades

Piccolo (all X).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano / Modwheel fades between piano and forte
Piccolo (fortepiano X).nki fortepiano / Modwheel fades between piano and forte
Piccolo (sforzando X).nki sforzando / Modwheel fades between piano and forte
Piccolo (stac 1 X).nki staccato 1 / Modwheel fades between piano and forte
Piccolo (stac 1+2 alt X).nki staccato 1/staccato 2 alternating / Modwheel fades between piano and forte
Piccolo (stac 1+2 X).nki staccato 1/staccato 2 keyswitched / Modwheel fades between piano and forte
Piccolo (stac 2 X).nki staccato 2 / Modwheel fades between piano and forte
Piccolo (sustain X).nki sustain / Modwheel fades between piano and forte

03 Release Triggers

Piccolo (sustain+rls).nki sustain + release samples

07 FLUTE

01 Standard Instruments

Flute (all).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano
Flute (fortepiano).nki fortepiano
Flute (sforzando).nki sforzando
Flute (stac 1).nki staccato 1
Flute (stac 1+2 alt).nki staccato 1/staccato 2 alternating
Flute (stac 2).nki staccato 2
Flute (sustain).nki sustain

02 Modwheel X-Fades

Flute (all X).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano / Modwheel fades between piano and forte
Flute (fortepiano X).nki fortepiano / Modwheel fades between piano and forte
Flute (sforzando X).nki sforzando / Modwheel fades between piano and forte
Flute (stac 1 X).nki staccato 1 / Modwheel fades between piano and forte
Flute (stac 1+2 alt X).nki staccato 1/staccato 2 alternating / Modwheel fades between piano and forte
Flute (stac 1+2 X).nki staccato 1/staccato 2 keyswitched / Modwheel fades between piano and forte
Flute (stac 2 X).nki staccato 2 / Modwheel fades between piano and forte
Flute (sustain X).nki sustain / Modwheel fades between piano and forte

03 Release Triggers

Flute (sustain+rls).nki sustain + release samples

04 Legato Instruments

Flute (legato).nki legato with KSP legato tool

08 OBOE

01 Standard Instruments

Oboe (all).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano
Oboe (fortepiano).nki fortepiano
Oboe (sforzando).nki sforzando
Oboe (stac 1).nki staccato 1
Oboe (stac 1+2 alt).nki staccato 1/staccato 2 alternating
Oboe (stac 1+2).nki staccato 1/staccato 2 keyswitched
Oboe (stac 2).nki staccato 2
Oboe (sustain).nki sustain

02 Modwheel X-Fades

Oboe (all X).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano / Modwheel fades between piano and forte
Oboe (fortepiano X).nki fortepiano / Modwheel fades between piano and forte
Oboe (sforzando X).nki sforzando / Modwheel fades between piano and forte
Oboe (stac 1 X).nki staccato 1 / Modwheel fades between piano and forte
Oboe (stac 1+2 alt X).nki staccato 1/staccato 2 alternating / Modwheel fades between piano and forte
Oboe (stac 1+2 X).nki staccato 1/staccato 2 keyswitched / Modwheel fades between piano and forte
Oboe (stac 2 X).nki staccato 2 / Modwheel fades between piano and forte
Oboe (sustain X).nki sustain / Modwheel fades between piano and forte

03 Release Triggers
Oboe (sustain+rls).nki sustain + release samples

09 FRENCH OBOE
01 Standard Instruments
French Oboe (all).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano
French Oboe (fortepiano).nki fortepiano
French Oboe (sforzando).nki sforzando
French Oboe (stac 1).nki staccato 1
French Oboe (stac 1+2 alt).nki staccato 1/staccato 2 alternating
French Oboe (stac 1+2 X).nki staccato 1/staccato 2 keyswitched
French Oboe (stac 2).nki staccato 2
French Oboe (sustain).nki sustain

02 Modwheel X-Fades
French Oboe (all X).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano / Modwheel fades between piano and forte
French Oboe (fortepiano X).nki fortepiano / Modwheel fades between piano and forte
French Oboe (sforzando X).nki sforzando / Modwheel fades between piano and forte
French Oboe (stac 1 X).nki staccato 1 / Modwheel fades between piano and forte
French Oboe (stac 1+2 alt X).nki staccato 1/staccato 2 alternating / Modwheel fades between piano and forte
French Oboe (stac 1+2 X).nki staccato 1/staccato 2 keyswitched / Modwheel fades between piano and forte
French Oboe (stac 2 X).nki staccato 2 / Modwheel fades between piano and forte
French Oboe (sustain X).nki sustain / Modwheel fades between piano and forte

03 Release Triggers
French Oboe (sustain+rls).nki sustain + release samples

10 ENGLISH HORN
01 Standard Instruments
Engl Horn (all).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano
Engl Horn (fortepiano).nki fortepiano
Engl Horn (sforzando).nki sforzando
Engl Horn (stac 1).nki staccato 1
Engl Horn (stac 1+2 alt).nki staccato 1/staccato 2 alternating
Engl Horn (stac 1+2 X).nki staccato 1/staccato 2 keyswitched
Engl Horn (stac 2).nki staccato 2
Engl Horn (sustain).nki sustain

02 Modwheel X-Fades
Engl Horn (all X).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano / Modwheel fades between piano and forte
Engl Horn (fortepiano X).nki fortepiano / Modwheel fades between piano and forte
Engl Horn (sforzando X).nki sforzando / Modwheel fades between piano and forte
Engl Horn (stac 1 X).nki staccato 1 / Modwheel fades between piano and forte
Engl Horn (stac 1+2 alt X).nki staccato 1/staccato 2 alternating / Modwheel fades between piano and forte
Engl Horn (stac 1+2 X).nki staccato 1/staccato 2 keyswitched / Modwheel fades between piano and forte
Engl Horn (stac 2 X).nki staccato 2 / Modwheel fades between piano and forte
Engl Horn (sustain X).nki sustain / Modwheel fades between piano and forte

03 Release Triggers
Engl Horn (sustain+rls).nki sustain + release samples

15 CLARINET
01 Standard Instruments
Clarinets (all).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano
Clarinets (fortepiano).nki fortepiano
Clarinets (sforzando).nki sforzando
Clarinets (stac 1).nki staccato 1
Clarinets (stac 1+2 alt).nki staccato 1/staccato 2 alternating
Clarinets (stac 1+2 X).nki staccato 1/staccato 2 keyswitched
Clarinets (stac 2).nki staccato 2
Clarinets (sustain).nki sustain

02 Modwheel X-Fades
Clarinets (all X).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano / Modwheel fades between piano and forte
Clarinets (fortepiano X).nki fortepiano / Modwheel fades between piano and forte
### Clarinet (sforzando X).nki
sforzando / Modwheel fades between piano and forte

### Clarinet (stac 1 X).nki
staccato 1 / Modwheel fades between piano and forte

### Clarinet (stac 1+2 all X).nki
staccato 1/staccato 2 alternating / Modwheel fades between piano and forte

### Clarinet (stac 1+2 X).nki
staccato 1/staccato 2 keyswitched / Modwheel fades between piano and forte

### Clarinet (stac 2 X).nki
staccato 2 / Modwheel fades between piano and forte

### Clarinet (sustain X).nki
sustain / Modwheel fades between piano and forte

#### 03 Release Triggers
- Clarinet (sustain+rls).nki
  - sustain + release samples

### 12 BASSCLARINET

#### 01 Standard Instruments
- Bass Clar (all).nki
  - Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano
- Bass Clar (fortepiano).nki
  - fortepiano
- Bass Clar (sforzando).nki
  - sforzando
- Bass Clar (stac 1).nki
  - staccato 1
- Bass Clar (stac 1+2 alt).nki
  - staccato 1/staccato 2 alternating
- Bass Clar (stac 1+2).nki
  - staccato 1/staccato 2 keyswitched
- Bass Clar (stac 2).nki
  - staccato 2
- Bass Clar (sustain).nki
  - sustain

#### 02 Modwheel X-Fades
- Bass Clar (all X).nki
  - Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano / Modwheel fades between piano and forte
- Bass Clar (fortepiano X).nki
  - fortepiano / Modwheel fades between piano and forte
- Bass Clar (sforzando X).nki
  - sforzando / Modwheel fades between piano and forte
- Bass Clar (stac 1 X).nki
  - staccato 1 / Modwheel fades between piano and forte
- Bass Clar (stac 1+2 alt X).nki
  - staccato 1/staccato 2 alternating / Modwheel fades between piano and forte
- Bass Clar (stac 1+2 X).nki
  - staccato 1/staccato 2 keyswitched / Modwheel fades between piano and forte
- Bass Clar (stac 2 X).nki
  - staccato 2 / Modwheel fades between piano and forte
- Bass Clar (sustain X).nki
  - sustain / Modwheel fades between piano and forte

#### 03 Release Triggers
- Bass Clar (sustain+rls).nki
  - sustain + release samples

### 13 CLARINET & BASSCLARINET
Clarinet and Bassclarinet combined in 1 instrument

#### 01 Standard Instruments
- Clar Combi (all).nki
  - Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano
- Clar Combi (fortepiano).nki
  - fortepiano
- Clar Combi (sforzando).nki
  - sforzando
- Clar Combi (stac 1).nki
  - staccato 1
- Clar Combi (stac 1+2 alt).nki
  - staccato 1/staccato 2 alternating
- Clar Combi (stac 1+2).nki
  - staccato 1/staccato 2 keyswitched
- Clar Combi (stac 2).nki
  - staccato 2
- Clar Combi (sustain).nki
  - sustain

#### 02 Modwheel X-Fades
- Clar Combi (all X).nki
  - Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano / Modwheel fades between piano and forte
- Clar Combi (fortepiano X).nki
  - fortepiano / Modwheel fades between piano and forte
- Clar Combi (sforzando X).nki
  - sforzando / Modwheel fades between piano and forte
- Clar Combi (stac 1 X).nki
  - staccato 1 / Modwheel fades between piano and forte
- Clar Combi (stac 1+2 alt X).nki
  - staccato 1/staccato 2 alternating / Modwheel fades between piano and forte
- Clar Combi (stac 1+2 X).nki
  - staccato 1/staccato 2 keyswitched / Modwheel fades between piano and forte
- Clar Combi (stac 2 X).nki
  - staccato 2 / Modwheel fades between piano and forte
- Clar Combi (sustain X).nki
  - sustain / Modwheel fades between piano and forte

#### 03 Release Triggers
- Clar Combi (sustain+rls).nki
  - sustain + release samples

### 14 BASSOON

#### 01 Standard Instruments
- Bassoon (all).nki
  - Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano
- Bassoon (fortepiano).nki
  - fortepiano
- Bassoon (sforzando).nki
  - sforzando
- Bassoon (stac 1).nki
  - staccato 1
- Bassoon (stac 1+2 alt).nki
  - staccato 1/staccato 2 alternating
- Bassoon (stac 1+2).nki
  - staccato 1/staccato 2 keyswitched
- Bassoon (stac 2).nki
  - staccato 2
- Bassoon (sustain).nki
  - sustain

#### 02 Modwheel X-Fades
Bassoon (all X).nki  Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano / Modwheel fades between piano and forte
Bassoon (fortepiano X).nki  fortepiano / Modwheel fades between piano and forte
Bassoon (sforzando X).nki  sforzando / Modwheel fades between piano and forte
Bassoon (stac 1 X).nki  staccato 1 / Modwheel fades between piano and forte
Bassoon (stac 1+2 X).nki  staccato 1/staccato 2 alternating / Modwheel fades between piano and forte
Bassoon (stac 2 X).nki  staccato 2 / Modwheel fades between piano and forte
Bassoon (sustain X).nki  sustain / Modwheel fades between piano and forte

03 Release Triggers
Bassoon (sustain+rls).nki  sustain + release samples

15 CONTRABASSOON
01 Standard Instruments
C-Bassoon (all).nki  Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano
C-Bassoon (fortepiano).nki  fortepiano
C-Bassoon (sforzando).nki  sforzando
C-Bassoon (stac 1).nki  staccato 1
C-Bassoon (stac 1+2 alt).nki  staccato 1/staccato 2 alternating
C-Bassoon (stac 1+2).nki  staccato 1/staccato 2 keyswitched
C-Bassoon (stac 2).nki  staccato 2
C-Bassoon (sustain).nki  sustain

02 Modwheel X-Fades
C-Bassoon (all X).nki  Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano / Modwheel fades between piano and forte
C-Bassoon (fortepiano X).nki  fortepiano / Modwheel fades between piano and forte
C-Bassoon (sforzando X).nki  sforzando / Modwheel fades between piano and forte
C-Bassoon (stac 1 X).nki  staccato 1 / Modwheel fades between piano and forte
C-Bassoon (stac 1+2 alt X).nki  staccato 1/staccato 2 alternating / Modwheel fades between piano and forte
C-Bassoon (stac 1+2 X).nki  staccato 1/staccato 2 keyswitched / Modwheel fades between piano and forte
C-Bassoon (stac 2 X).nki  staccato 2 / Modwheel fades between piano and forte
C-Bassoon (sustain X).nki  sustain / Modwheel fades between piano and forte

03 Release Triggers
C-Bassoon (sustain+rls).nki  sustain + release samples

16 BASSOON & CONTRABASSOON  Bassoon and Contrabassoon combined in 1 instrument
01 Standard Instruments
Bsn Combi (all).nki  Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano
Bsn Combi (fortepiano).nki  fortepiano
Bsn Combi (sforzando).nki  sforzando
Bsn Combi (stac 1).nki  staccato 1
Bsn Combi (stac 1+2 alt).nki  staccato 1/staccato 2 alternating
Bsn Combi (stac 1+2).nki  staccato 1/staccato 2 keyswitched
Bsn Combi (stac 2).nki  staccato 2
Bsn Combi (sustain).nki  sustain

02 Modwheel X-Fades
Bsn Combi (all X).nki  Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano / Modwheel fades between piano and forte
Bsn Combi (fortepiano X).nki  fortepiano / Modwheel fades between piano and forte
Bsn Combi (sforzando X).nki  sforzando / Modwheel fades between piano and forte
Bsn Combi (stac 1 X).nki  staccato 1 / Modwheel fades between piano and forte
Bsn Combi (stac 1+2 alt X).nki  staccato 1/staccato 2 alternating / Modwheel fades between piano and forte
Bsn Combi (stac 1+2 X).nki  staccato 1/staccato 2 keyswitched / Modwheel fades between piano and forte
Bsn Combi (stac 2 X).nki  staccato 2 / Modwheel fades between piano and forte
Bsn Combi (sustain X).nki  sustain / Modwheel fades between piano and forte

03 Release Triggers
Bsn Combi (sustain+rls).nki  sustain + release samples

BRASS
17 TRUMPET SOLO
01 Standard Instruments
Trumpet (all).nki  Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano
Trumpet (fortepiano).nki  fortepiano
Trumpet (sforzando).nki  sforzando
Trumpet (stac 1).nki  staccato 1
Trumpet (stac 1+2 alt).nki  staccato 1/staccato 2 alternating
Trumpet (stac 1+2).nki  staccato 1/staccato 2 keyswitched
Trumpet (stac 2).nki  staccato 2
Trumpet sustain
Trumpet sustain+flt Modwheel > Brightness (lowpass filter)

02 Modwheel X-Fades
Trumpet (all X).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano / Modwheel fades between piano and forte
Trumpet (fortepiano X).nki fortepiano / Modwheel fades between piano and forte
Trumpet (sforzando X).nki sforzando / Modwheel fades between piano and forte
Trumpet (stac 1 X).nki staccato 1 / Modwheel fades between piano and forte
Trumpet (stac 1+2 alt X).nki staccato 1/staccato 2 alternating / Modwheel fades between piano and forte
Trumpet (stac 1+2 X).nki staccato 1/staccato 2 keyswitched / Modwheel fades between piano and forte
Trumpet (stac 2 X).nki staccato 2 / Modwheel fades between piano and forte
Trumpet sustain X Modwheel > Brightness (lowpass filter)

03 Release Triggers
Trumpet sustain+rls sustain + release samples
Trumpet sustain+flt+rls sustain + release samples / Modwheel > Brightness (lowpass filter)

18 TRUMPET ENSEMBLE
Trumpet ensemble with 3 players

01 Standard Instruments
Trump ens 3 (all).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano
Trump ens 3 (fortepiano).nki fortepiano
Trump ens 3 (sforzando).nki sforzando
Trump ens 3 (stac 1).nki staccato 1
 Trump ens 3 (stac 1+2 alt).nki staccato 1/staccato 2 alternating
Trump ens 3 (stac 1+2).nki staccato 1/staccato 2 keyswitched
Trump ens 3 (stac 2).nki staccato 2
Trump ens 3 (sustain).nki sustain
Trump ens 3 (sustain+flt).nki Modwheel > Brightness (lowpass filter)

02 Modwheel X-Fades
Trump ens 3 (all X).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano / Modwheel fades between piano and forte
Trump ens 3 (fortepiano X).nki fortepiano / Modwheel fades between piano and forte
Trump ens 3 (sforzando X).nki sforzando / Modwheel fades between piano and forte
Trump ens 3 (stac 1 X).nki staccato 1 / Modwheel fades between piano and forte
Trump ens 3 (stac 1+2 alt X).nki staccato 1/staccato 2 alternating / Modwheel fades between piano and forte
Trump ens 3 (stac 1+2 X).nki staccato 1/staccato 2 keyswitched / Modwheel fades between piano and forte
Trump ens 3 (stac 2 X).nki staccato 2 / Modwheel fades between piano and forte
Trump ens 3 (sustain X).nki sustain / Modwheel fades between piano and forte
Trump ens 3 (sustain+flt).nki Modwheel > Brightness (lowpass filter)

03 Release Triggers
Trump ens 3 (sustain+rls).nki sustain + release samples
Trump ens 3 (sustain+flt+rls).nki sustain + release samples / Modwheel > Brightness (lowpass filter)

19 FRENCH HORN SOLO
French Horn (all).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano
French Horn (fortepiano).nki fortepiano
French Horn (sforzando).nki sforzando
French Horn (stac 1).nki staccato 1
French Horn (stac 1+2 alt).nki staccato 1/staccato 2 alternating
French Horn (stac 1+2).nki staccato 1/staccato 2 keyswitched
French Horn (stac 2).nki staccato 2
French Horn (sustain).nki sustain
French Horn (sustain+flt).nki Modwheel > Brightness (lowpass filter)

02 Modwheel X-Fades
French Horn (all X).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano / Modwheel fades between piano and forte
French Horn (fortepiano X).nki fortepiano / Modwheel fades between piano and forte
French Horn (sforzando X).nki sforzando / Modwheel fades between piano and forte
French Horn (stac 1 X).nki staccato 1 / Modwheel fades between piano and forte
French Horn (stac 1+2 alt X).nki staccato 1/staccato 2 alternating / Modwheel fades between piano and forte
French Horn (stac 1+2 X).nki staccato 1/staccato 2 keyswitched / Modwheel fades between piano and forte
French Horn (stac 2 X).nki staccato 2 / Modwheel fades between piano and forte
French Horn (sustain X).nki sustain / Modwheel fades between piano and forte

03 Release Triggers
French Horn sustain+rls sustain + release samples
French Horn sustain+flt+rls sustain + release samples / Modwheel > Brightness (lowpass filter)

20 FRENCH HORN ENSEMBLE
French Horn ensemble with 4 players
## 01 Standard Instruments

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Articulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frn Horn ens 4 (all).nki</td>
<td>staccato 1, staccato 2, sustain, sforzando, fortepiano</td>
</tr>
<tr>
<td>Frn Horn ens 4 (fortepiano).nki</td>
<td>fortepiano</td>
</tr>
<tr>
<td>Frn Horn ens 4 (sforzando).nki</td>
<td>sforzando</td>
</tr>
<tr>
<td>Frn Horn ens 4 (stac 1).nki</td>
<td>staccato 1</td>
</tr>
<tr>
<td>Frn Horn ens 4 (stac 1+2 alt).nki</td>
<td>staccato 1/staccato 2 alternating</td>
</tr>
<tr>
<td>Frn Horn ens 4 (stac 1+2).nki</td>
<td>staccato 1/staccato 2 keyswitched</td>
</tr>
<tr>
<td>Frn Horn ens 4 (stac 2).nki</td>
<td>staccato 2</td>
</tr>
<tr>
<td>Frn Horn ens 4 (sustain).nki</td>
<td>sustain</td>
</tr>
<tr>
<td>Frn Horn ens 4 (sustain+ft).nki</td>
<td>Modwheel &gt; Brightness (lowpass filter)</td>
</tr>
</tbody>
</table>

## 02 Modwheel X-Fades

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Articulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frn Horn ens 4 (all X).nki</td>
<td>staccato 1, staccato 2, sustain, sforzando, fortepiano / Modwheel fades between piano and forte</td>
</tr>
<tr>
<td>Frn Horn ens 4 (fortepiano X).nki</td>
<td>fortepiano / Modwheel fades between piano and forte</td>
</tr>
<tr>
<td>Frn Horn ens 4 (sforzando X).nki</td>
<td>sforzando / Modwheel fades between piano and forte</td>
</tr>
<tr>
<td>Frn Horn ens 4 (stac 1 X).nki</td>
<td>staccato 1 / Modwheel fades between piano and forte</td>
</tr>
<tr>
<td>Frn Horn ens 4 (stac 1+2 alt X).nki</td>
<td>staccato 1/staccato 2 alternating / Modwheel fades between piano and forte</td>
</tr>
<tr>
<td>Frn Horn ens 4 (stac 1+2 X).nki</td>
<td>staccato 1/staccato 2 keyswitched / Modwheel fades between piano and forte</td>
</tr>
<tr>
<td>Frn Horn ens 4 (stac 2 X).nki</td>
<td>staccato 2 / Modwheel fades between piano and forte</td>
</tr>
<tr>
<td>Frn Horn ens 4 (sustain X).nki</td>
<td>sustain / Modwheel fades between piano and forte</td>
</tr>
</tbody>
</table>

## 03 Release Triggers

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Articulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frn Horn ens 4 (sustain+rls).nki</td>
<td>sustain + release samples</td>
</tr>
<tr>
<td>Frn Horn ens 4 (sustain+ft+rls).nki</td>
<td>sustain + release samples / Modwheel &gt; Brightness (lowpass filter)</td>
</tr>
</tbody>
</table>

## 04 Legato Instruments

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Articulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frn Horn ens 4 (legato).nki</td>
<td>legato with KSP legato tool</td>
</tr>
</tbody>
</table>

## 21 TROMBONE SOLO

### 01 Standard Instruments

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Articulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trombone (all).nki</td>
<td>staccato 1, staccato 2, sustain, sforzando, fortepiano</td>
</tr>
<tr>
<td>Trombone (fortepiano).nki</td>
<td>fortepiano</td>
</tr>
<tr>
<td>Trombone (sforzando).nki</td>
<td>sforzando</td>
</tr>
<tr>
<td>Trombone (stac 1).nki</td>
<td>staccato 1</td>
</tr>
<tr>
<td>Trombone (stac 1+2 alt).nki</td>
<td>staccato 1/staccato 2 alternating</td>
</tr>
<tr>
<td>Trombone (stac 1+2).nki</td>
<td>staccato 1/staccato 2 keyswitched</td>
</tr>
<tr>
<td>Trombone (stac 2).nki</td>
<td>staccato 2</td>
</tr>
<tr>
<td>Trombone (sustain).nki</td>
<td>sustain</td>
</tr>
<tr>
<td>Trombone (sustain+ft).nki</td>
<td>Modwheel &gt; Brightness (lowpass filter)</td>
</tr>
</tbody>
</table>

### 02 Modwheel X-Fades

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Articulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trombone (all X).nki</td>
<td>staccato 1, staccato 2, sustain, sforzando, fortepiano / Modwheel fades between piano and forte</td>
</tr>
<tr>
<td>Trombone (fortepiano X).nki</td>
<td>fortepiano / Modwheel fades between piano and forte</td>
</tr>
<tr>
<td>Trombone (sforzando X).nki</td>
<td>sforzando / Modwheel fades between piano and forte</td>
</tr>
<tr>
<td>Trombone (stac 1 X).nki</td>
<td>staccato 1 / Modwheel fades between piano and forte</td>
</tr>
<tr>
<td>Trombone (stac 1+2 alt X).nki</td>
<td>staccato 1/staccato 2 alternating / Modwheel fades between piano and forte</td>
</tr>
<tr>
<td>Trombone (stac 1+2 X).nki</td>
<td>staccato 1/staccato 2 keyswitched / Modwheel fades between piano and forte</td>
</tr>
<tr>
<td>Trombone (stac 2 X).nki</td>
<td>staccato 2 / Modwheel fades between piano and forte</td>
</tr>
<tr>
<td>Trombone (sustain X).nki</td>
<td>sustain / Modwheel fades between piano and forte</td>
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</table>

### 03 Release Triggers

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Articulations</th>
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<tbody>
<tr>
<td>Trombone (sustain+rls).nki</td>
<td>sustain + release samples</td>
</tr>
<tr>
<td>Trombone (sustain+ft+rls).nki</td>
<td>sustain + release samples / Modwheel &gt; Brightness (lowpass filter)</td>
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</table>

## 22 TROMBONE ENSEMBLE

<table>
<thead>
<tr>
<th>Instrument</th>
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<tbody>
<tr>
<td>Tromb ens 3 (all).nki</td>
<td>staccato 1, staccato 2, sustain, sforzando, fortepiano</td>
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<tr>
<td>Tromb ens 3 (fortepiano).nki</td>
<td>fortepiano</td>
</tr>
<tr>
<td>Tromb ens 3 (sforzando).nki</td>
<td>sforzando</td>
</tr>
<tr>
<td>Tromb ens 3 (stac 1).nki</td>
<td>staccato 1</td>
</tr>
<tr>
<td>Tromb ens 3 (stac 1+2 alt).nki</td>
<td>staccato 1/staccato 2 alternating</td>
</tr>
<tr>
<td>Tromb ens 3 (stac 1+2).nki</td>
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<td>Tromb ens 3 (stac 2).nki</td>
<td>staccato 2</td>
</tr>
<tr>
<td>Tromb ens 3 (sustain).nki</td>
<td>sustain</td>
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<td>Tromb ens 3 (sustain+ft).nki</td>
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### 02 Modwheel X-Fades

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<td>Tromb ens 3 (fortepiano X).nki</td>
<td>fortepiano / Modwheel fades between piano and forte</td>
</tr>
<tr>
<td>Tromb ens 3 (sforzando X).nki</td>
<td>sforzando / Modwheel fades between piano and forte</td>
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</tbody>
</table>
Kontakt 3 Library Manual

3 Release Triggers

03 Standard Instruments

Tuba (stac 1 X).nki staccato 1 / Modwheel fades between piano and forte
Tuba (stac 1+2 X).nki staccato 1/staccato 2 alternating / Modwheel fades between piano and forte
Tuba (stac 2 X).nki staccato 2 / Modwheel fades between piano and forte
Tuba (sustain X).nki sustain / Modwheel fades between piano and forte

03 Release Triggers

Tuba (sustain+rls).nki sustain + release samples

04 Repetition Instruments

Tuba (repetition).nki repetition with KSP repetition tool

23 TUBA

01 Standard Instruments

Tuba (all).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano
Tuba (fortepiano).nki fortepiano
Tuba (sforzando).nki sforzando
Tuba (stac 1).nki staccato 1
Tuba (stac 1+2 alt).nki staccato 1/staccato 2 alternating
Tuba (stac 1+2).nki staccato 1/staccato 2 keyswitched
Tuba (stac 2).nki staccato 2
Tuba (sustain).nki sustain

02 Modwheel X-Fades

Tuba (all X).nki Articulations: staccato 1, staccato 2, sustain, sforzando, fortepiano / Modwheel fades between piano and forte
Tuba (fortepiano X).nki fortepiano / Modwheel fades between piano and forte
Tuba (sforzando X).nki sforzando / Modwheel fades between piano and forte
Tuba (stac 1 X).nki staccato 1 / Modwheel fades between piano and forte
Tuba (stac 1+2 alt X).nki staccato 1/staccato 2 alternating / Modwheel fades between piano and forte
Tuba (stac 1+2 X).nki staccato 1/staccato 2 keyswitched / Modwheel fades between piano and forte
Tuba (stac 2 X).nki staccato 2 / Modwheel fades between piano and forte
Tuba (sustain X).nki sustain / Modwheel fades between piano and forte

03 Release Triggers

Tuba (sustain+rls).nki sustain + release samples

DRUMS & PERCUSSIONS

24 TIMPANI

Timpani (left).nki Left hand
Timpani (right).nki Right hand
Timpani (tremolo).nki B0 – A#2 tremolo, A#3 – A#5 single strokes

25 DRUMS

Bass Drum.nki C2 = left hand, D2 = right hand
Snare Drum ens.nki C2 = left hand 1, D2 = right hand 1, E2 = left hand 2, F2 = right hand 2, C4 = tremolo, C#4 = tremolo + release samples
Snare Drum.nki C2 = left hand 1, D2 = right hand 1, E2 = left hand 2, F2 = right hand 2, C4 = tremolo, C#4 = tremolo + release samples
Tammarin 1.nki C2 = var 1, D2 = var 2, G2 = sforzando 1, A2 = sforzando 2, D3 = tremolo thumb, E3 = tremolo thumb + release, D4 = tremolo shake, E4 = tremolo shake + release
Tammarin 2.nki C2 = var 1, D2 = var 2, G2 = sforzando 1, A2 = sforzando 2, D3 = tremolo thumb, E3 = tremolo thumb + release, D4 = tremolo shake, E4 = tremolo shake + release

26 CYMBALS

Cymbal half.nki C4 = tremolo, C#4 = tremolo + release, C5+D5 = single strokes
Cymbal a due.nki 2 cymbals against each other
Tamtam.nki C1-D#1 = big, C2-D#2 = mid, C3-D#3 = small

27 PERCUSSION

Triangle 1.nki C1-C#1 = open side, E1-F1 = muted, G1-A#1 = vibrato
Triangle 2.nki C1-C#1 = open side, E1-F1 = muted, G1-A#1 = vibrato

28 MALLETS & BELLS

Celesta.nki 4 velocity layers
Glockenspiel.nki 3 velocity layers
Marimba.nki 2 velocity layers
Tubular Bells (metal).nki Metal mallets
Tubular Bells (wood).nki Wood mallets
Xylophone.nki 3 velocity layers