



## ARTICULATIONS

FEATURES - COLORS - TECHNIQUES

www.orchestraltools.com

## Welcome to ORCHESTRAL TOOLS

Enter a whole new world of orchestral colors, shades and inspiration. It is the nexus of innovative concepts, the magical shimmering ambience of the **Teldex Scoring Stage** and the **finest session musicians** from the world-famous and renowned orchestras of Berlin, that makes our collections to be the standard toolset of professional film composers.

**Orchestral Tools** is an ambitious project, driven by a few composers with their vision of **re-inventing orchestral sampling**.

We're proud to present to you our compendium of first-class orchestral sounds, captured with the highest possible amount of detail, consistency and care. Over the past years we developed new techniques in recording samples to preserve the musicality of isolated notes with the highest degree of user control.

Innovations like the **Runs Builder**, **Playable Glissandi** and the **Adaptive Legato**, which is the most fluidly playable True Legato in the market, make our library collections outstanding achievements in sampling.

The following pages will give you a deeper insight in our extensive library packages. Never before has anyone ventured so deeply into sampling articulations in such an ambience. **Orchestral Tools** offers you a collection of sounds that will make you free in creating colorful orchestrations and compositions in every detail!

All the best,

Hendrik Schwarzer composer and CEO of the Orchestral Tools sampling project



#### BERLIN WOODWINDS EXP A: ADDITIONAL INSTRUMENTS

- Bass Clarinet
- Eb Clarinet
- Contrabassoon
- True Legato for all 3 instruments
- True Double and Triple Tongue
- Powerful 8 way RR Staccatos
- 13,4 GB of samples

(7 GB NCW compressed)

• 24Bit / 48KHz Patches

KONTAKT 5 Full Version required!

**Berlin Woodwinds Expansion A** is the official continuation of the Berlin Woodwinds main library (although you can own the Expansion without having the main Berlin Woodwinds collection!). You will get three wonderful, deep-sampled instruments to extend your current woodwind collection with some new colors: Contrabassoon, Bass Clarinet and Eb Clarinet.

Everything is recorded at the same stage, the **Teldex Scoring Stage** in Berlin with the top musicians from the renowned orchestras.

## CONTRABASSOON

#### Legato

Sustain	
Staccato	8RRs
Portato Short	. 3RRs
Portato Long	. 3RRs
Sforzando	
True Double Tongue	4RRs
True Triple Tongue	6RRs

## BASS CLARINET

## Legato

Sustain

Staccato	8RRs
Staccatissimo	. 8RRs
Portato Short	. 3RRs
Portato Long	. 3RRs
Sforzando	
Trills - Half Tone	
Trills - Whole Tone	
True Double Tongue	4RRs
True Triple Tongue	6RRs

## Eb CLARINET

Legato	
Sustain	
Staccato	8RRs
Portato Short	3RRs
Trills - Half Tone	
Trills - Whole Tone	

## Working with Berlin Woodwinds: REALISING WOODWIND FIGURATIONS by Sascha Knorr

Recreating the well-known Woodwind gestures and runs with MIDI and virtual instruments can become quite tricky and cumbersome. For realistic sounding results a vast amount of articulations is needed to cover all the different figurations and playing styles involved.

Most woodwinds gestures and patterns are about rhythm. They provide energy to the track or help the orchestrator doing transitions and accentuating certain point. The samples to be used must be able to create that energy and rhythmic interest.

In this first example the Flute part could easily be done with staccatissimo samples for the 16th and staccato for the 8th notes, but the pre-recorded tempo adaptive triple tongue patch will sound even better. The Oboe and Clarinet part can be enhanced by layering staccatissimo in addition to the playable runs samples for the first note of the 16th figures, if a stronger accent is needed.





Layering articulations can also be useful to enhance this second example. A staccato or staccatissimo can accent the beginning of the trills on the first downbeat. Also the first or last note of the run might benefit from a layered short note on a higher dynamic. If a broader accent is needed on the second downbeat - the staccato dot should be replaced with an accent or tenuto marking then - the sforzando or short portato articulation will do the job.



## The Room TELDEX SCORING STAGE

Our carefully recorded collections of the **Berlin Series** were captured in one of the best acoustic spaces for orchestral productions. When it comes down to hundreds of notes played in parallel, the acoustic properties of the sampled material turn out to be one of the most crucial elements in terms of realistic and convincing mock-ups, where all individual instruments and sections need to merge together to create a full orchestral soundscape. The acoustic characteristics of the **Teldex Scoring Stage** are simply paramount: Instruments and sections blend together in a way never heard before; all these captured details will be there, even if the full orchestra is playing. Most orchestral libraries tend to be too wet to preserve details and flexibility, some are too dry to recreate a whole orchestral body. With the **Berlin Series** we present you **the perfect balance** between these two worlds.

Teldex looks back on a long tradition of many well-known and Grammy® Awardwinning productions. Recordings were done for famous Orchestras like the Berlin Philharmonic Orchestra, London Symphony Orchestra or the Chicago Symphony Orchestra. A lot of film scores composed by Danny Elfman, Howard Shore, Alan Silvestri or David Newman were recorded in this unique sounding space.

# BALANCED

With our newest version of the Berlin Series, all instruments, dynamic ranges, articulations and microphone positions are balanced to keep the natural dynamics of a real orchestra within our Berlin Series.

**Articulations:** All articulations fit each other perfectly. Switching between articulations within the multi patches feels natural and fluid.

**Instruments:** The dynamic ranges of each instrument in our Berlin Series are modeled after reference recordings we did with a real orchestra. Also the volume relations between all instruments are preserved.

**Release Samples:** All release samples were reedited to preserve the natural room acoustics within the samples.

**Mic Positions:** The mic positions are balanced to each other. This way you're able to use our new auto gain feature to blend through the microphone mix without loosing the instrument volume relations.

## SINGLE Articulations



Capsule adjusts to your way of working, regardless whether you want a dedicated track for each articulation or if you wish to have as many articulations as possible on a single MIDI track. **It's your choice with our single and multi patch design**. Almost all features of our single patches are available, too, via the wrench button in our multi patches. Here are the features of **Capsule**; our new engine within **Kontakt**.

Intelligent Mixer with Auto-Gain (Volume Compensation), Audio Out Routing and Grouping Options

Deactivate specific Dynamic Layers

Define your own Round Robin rules

Add pre-defined dynamic filters for smoother dynamic blending

Purge specific Round Robins out of RAM

Controller Table: Add your own interpeter envelope curves to any MIDI CC

Switch between XFade dynamics or Velocity control

## MULTI Articulations

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<b>111</b> †††	STACC SUS	PORT Sus Blue	tato Short tato Long Expressivo Imm Atk rred Sus molo	SPICC PIZZ	SFZ T	B STAC B PC	DRT B SUS	ii È ≡ 
•••• ••• _/X	<ul> <li>Artic CC Switch</li> <li>Artic Vel. Switcl</li> <li>Artic XFade</li> <li>Artic XFade 3D</li> </ul>		Portato Short	Tremolo		ccented Tremolo	Blurred Staccato	

#### Apply True Legato to any long articulation!

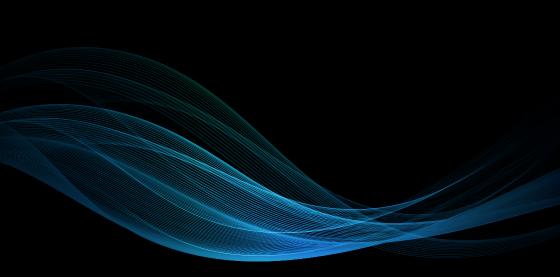
Transform a trills or a tremolo articulation into a True Legato patch. Build your own combinations with up to 3 assignable legato speed slots per articulation, which will be triggered and will adapt to your playing speed. (e.g. at slow playing: Slurred Legato, on very fast performances fast runs).

### Polyphonic Keyswitch Concept

Play up to 4 articulations simultaneously and choose in realtime between xfading, switching, 2D morphing via MIDI CC or velocity. You don't have to setup complicated sample maps and rules in advance. Just perform.

2D Morphing of articulations for sfx and sound design applications





Over years of development **Orchestral Tools** finally built the most fluid legato concept in the industry which adjusts to any tempo and rhythmic situation. Our **Adaptive Legato Engine** detects your playing speed in real time and perfectly adjusts all variables within the engine to your performance. Agile lines as well as slow soaring melodies are now possible within a single patch. And with **different True Legato speeds** as captured in Berlin Strings the **Adaptive Legato Engine** reveals its true potential.



## 25% discount

If you are student, teacher or if you would like to integrate Orchestral Tools products into your eductional programe you'll get a 25% discount on our whole product palette. We also provide attractive rates on multi-user licenses. Please send your request and a copy of your student ID or an adequate proof that you qualify for EDU rates to support@orchestraltools.com



## HD BACKUP SERVICE

To avoid long download times with slow internet providers or as a backup solution to save your Orchestral Tools collections, we recommend our HD backup service on a super fast SSD. Add this product to your shopping cart before checking out to get all libraries in the current order on a **SSD storage device**.

The drive will be shipped within 2-3 weeks after placement of order (if the library is already released).

Delivery time depends on target country and customs.

TYPE: 2.5" SATA III TYPE: 840 EVO Series STORAGE: 250GB Capacity FEATURES: Sequential Read Speed: 540 MB/s

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Photos by: Sascha Knorr and Florian Döhring

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