



ARTICULATIONS

FEATURES - COLORS - TECHNIQUES

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

BWW - Main Collection SPECIFICATIONS

- True Legato for all instruments and ensembles
- Powerful 8x RR Staccato and Staccatissimo Patches
- Playable Runs and pre-recorded Scale Runs (tempo synced)
- DIVISI concept with 2nd and up to 3rd instruments
- Trills Orchestrator with up to never before recorded 5th trills
- RUNS BUILDER
- \bullet Up to 3 different vibrato styles
- Controllable key and wind noises
- Measured Trills (tempo synced and available up to the 5th interval! (HT, VVT, min3rd, maj3rd, 4th, perfect 4th, 5th)
- 120 GB of samples (67 GB NCW compressed)
- 24Bit / 48KHz Patches

BUILDING ENSEMBLES

And orchestrate separate voices

Berlin Woodwinds' concept of **building ensembles** or **divisi parts** is simply pioneering. Individually recorded single instruments like the 3 Flutes in this edition, enable you e.g. to build an unison a3 **Flute Ensemble**, where every flute has its own expression and slightly different timing. Or you can set **complex harmonies or polyphonic lines** where each flute has its own line. That's why **Berlin Woodwinds** comes with 3 different Flutes, 2 Oboes + Cor Anglais, 2 Clarinets and 2 Bassoons. **Berlin Woodwinds** is the perfect collection for agile **woodwind settings** in an **orchestral context**.

WOODWIND RUNS

In film music and big orchestral scores, woodwinds and runs belong together. There is nothing more joyful than airy Flutes and Clarinets playing fast lines up and down in octaves shimmering over the orchestra. Doing a woodwind library without offering a solution for runs and ornamentation just made no sense to us. Orchestral String Runs was our first commercial library and we tried a lot of things to come up with the best-sounding and most flexible solution.

All recorded octave scale runs and the RUNS BUILDER are synced to your host tempo to perfectly fit into your musical situations.

The Runs Builder

Create your own runs out of thousands of **tempo-synced figures and micro runs**. The new **RUNS BUILDER** is a very powerful and flexible tool. Scales like Major, Minor, Whole Tone, Chromatic, etc. are supported.

The concept: Using the unbeatable realism of pre-recorded runs but making them much more fluid. The RUNS BUILDER is available for Clarinet Ensemble (a3) and a Flute Ensemble in octaves (a2+Flute 8va or Piccolo in the higher register).

Playable Runs

For BWW we have created special Playable Runs patches. The concept is pretty similar to the True Legato concept. Really fast transitions with repetitions and intervals up to a 5th enable playing very fast lines at the highest level of realism.

	True Double Tongue
PICCOLO	True Triple Tongue
Legato	Measured Trills (up to a 5th interval) TS
Sustain - Romantic Vib.	Octave Scale Runs
Sustain - Without Vib.	Playable Runs
Staccato	Key Noises
Staccatissimo	Wind Noises
Portato Short3RRs	0.150075
Portato Long3RRs	2nd FLUTE
Trills - Half Tone	Legato
Trills - Whole Tone	Sustain - Romantic Vib.
Trills Sforzando (HT/WT)2RRs	Sustain - Without Vib.
Trills 1x Ornament (HT/WT)2RRs	Sustain - Progressive Vib.
True Double Tongue	Staccato8RRs
True Triple Tongue	Staccatissimo 8RRs
Measured Trills (up to a 5th interval) TS	Portato Short 3RRs
Octave Scale Runs	Portato Long 3RRs
Playable Runs	Sforzando2RRs
Key Noises	Trills - Half Tone
Wind Noises	Trills - Whole Tone
1st FLUTE	Trills - Minor 3rd
	Trills - Major 3rd
Legato	Trills - 4th
Sustain - Romantic Vib.	Trills Sforzando (HT/WT)2RRs
Sustain - Without Vib.	Trills 1x Ornament (HT/WT) 2RRs
Sustain - Progressive Vib.	True Double Tongue 4RRs
Staccato	True Triple Tongue 6RRs
Staccatissimo	Measured Trills (up to a 5th interval) TS
Portato Short3RRs	Octave Scale Runs
Portato Long3RRs	Playable Runs (in unison with 3rd Flute)
Sforzando	Key Noises
Trills - Half Tone	Wind Noises
Trills - Whole Tone	3rd FLUTE
Trills - Minor 3rd	
Trills - Major 3rd	Legato
Trills - 4th	Sustain - Romantic Vib.
Trills Sforzando (HT/WT)	Sustain - Without Vib.
Trills 1x Ornament (HT/WT)2RRs	Sustain - Progressive Vib.

Staccato	8RRs	Sforzando2RRs
Staccatissimo	8RRs	Trills - Half Tone
Portato Short	3RRs	Trills - Whole Tone
Portato Long	3RRs	Trills - Minor 3rd
Sforzando	2RRs	Trills - Major 3rd
Trills - Half Tone		Trills - Perfect 4th
Trills - Whole Tone		Trills - Augmented 4th
Trills Sforzando (HT/WT)	2RRs	Trills - 5th
Trills 1x Ornament (HT/WT)	2RRs	Trills Sforzando (HT/WT)2RRs
True Double Tongue	4RRs	Trills 1x Ornament (HT/WT)2RRs
True Triple Tongue	6RRs	True Double Tongue
Key Noises		True Triple Tongue6RRs
Wind Noises		Measured Trills (up to a 5th interval) TS
O ELLITE ENICEMBLE		Octave Scale Runs
8va FLUTE ENSEMBLE		Playable Runs
Legato		Key Noises
Sustain - Without Vib.		
Staccato	8RRs	
Staccatissimo	4RRs	Legato
Sforzando	2RRs	Sustain - Romantic Vib.
Trills - Half Tone		Sustain - Without Vib.
Trills - Whole Tone		Sustain - Progressive Vib.
Trills Sforzando (HT/WT)	2RRs	Staccato8RRs
Trills 1x Ornament (HT/WT)	2RRs	Staccatissimo8RRs
True Double Tongue	4RRs	Portato Short3RRs
True Triple Tongue	6RRs	Portato Long3RRs
RUNS BUILDER		Sforzando
Wind Noises		Trills - Half Tone
1 st OBOE		Trills - Whole Tone
		Trills - Minor 3rd
Legato		Trills - Major 3rd
Sustain - Romantic Vib.		Trills - Perfect 4th
Sustain - Without Vib.		Trills - Augmented 4th
Sustain - Progressive Vib.		Trills - 5th
Staccato	. 8RRs	Trills Sforzando (HT/WT)2RRs
Staccatissimo	. 8RRs	Trills 1x Ornament (HT/WT)2RRs
Portato Short	.3RRs	Octave Scale Runs
Portato Long	.3RRs	Playable Runs

Key Noises

Rey Noises	2nd CLARINET	
ENGLISH HORN	Legato	
Legato	Sustain - Without Vib.	
Sustain - Romantic Vib.	Staccato	8RRs
Sustain - Without Vib.	Staccatissimo	4RRs
Staccato	Portato Short	3RRs
Portato Short3RRs	Sforzando	2RRs
Portato Long 3RRs	Trills - Half Tone	
Sforzando	Trills - Whole Tone	
Trills - Half Tone	Trills - Minor 3rd	
Trills - Whole Tone	Trills - Major 3rd	
Trills Sforzando (HT/WT)	Trills - Perfect 4th	
Trills 1x Ornament (HT/WT)2RRs	Trills - Augmented 4th	
Key Noises	Trills - 5th	
	Trills Sforzando (HT/WT)	2RRs
1 st CLARINET	Trills 1x Ornament (HT/WT)	2RRs
Legato	True Double Tongue	4RRs
Sustain - Without Vib.	True Triple Tongue	6RRs
Staccato	Octave Scale Runs	
Staccatissimo4RRs	Playable Runs	
Portato Short3RRs	Key Noises	
Portato Long	CLARINET ENS a3	
Trills - Half Tone	CEARINET ENS US	
Trills - Whole Tone	Legato	
Trills - Minor 3rd	Sustain - Without Vib.	
Trills - Major 3rd	Staccato	8RRs
Trills - Perfect 4th	Portato Short	3RRs
Trills - Augmented 4th	Portato Long	3RRs
Trills - 5th	Trills - Half Tone	
Trills Sforzando (HT/WT)	Trills - Whole Tone	
Trills 1x Ornament (HT/WT)2RRs	Octave Scale Runs	
True Double Tongue	Playable Runs	
True Triple Tongue	RUNS BUILDER	
Measured Trills (up to a 5th interval) TS	Key Noises	
Octave Scale Runs	1st BASSOON	
Playable Runs	TSI BASSOCIV	

Legato

Sustain - Romantic Vib.
Sustain - Without Vib.
Staccato
Staccatissimo
Portato Short3RRs
Portato Long3RRs
Sforzando
Trills - Half Tone
Trills - Whole Tone
True Double Tongue
True Triple Tongue
Key Noises
2nd BASSOON
ZIIG BASSOON
Legato
Legato Sustain - Romantic Vib.
Sustain - Romantic Vib.
Sustain - Romantic Vib. Sustain - Without Vib.
Sustain - Romantic Vib. Sustain - Without Vib. Staccato
Sustain - Romantic Vib. Sustain - Without Vib. Staccato 8RRs Staccatissimo 8RRs
Sustain - Romantic Vib. Sustain - Without Vib. Staccato 8RRs Staccatissimo 8RRs Portato Short 3RRs
Sustain - Romantic Vib. Sustain - Without Vib. Staccato 8RRs Staccatissimo 8RRs Portato Short 3RRs Portato Long 3RRs
Sustain - Romantic Vib. Sustain - Without Vib. Staccato 8RRs Staccatissimo 8RRs Portato Short 3RRs Portato Long 3RRs Sforzando 2RRs
Sustain - Romantic Vib. Sustain - Without Vib. Staccato 8RRs Staccatissimo 8RRs Portato Short 3RRs Portato Long 3RRs Sforzando 2RRs Trills - Half Tone
Sustain - Romantic Vib. Sustain - Without Vib. Staccato 8RRs Staccatissimo 8RRs Portato Short 3RRs Portato Long 3RRs Sforzando 2RRs Trills - Half Tone Trills - Whole Tone
Sustain - Romantic Vib. Sustain - Without Vib. Staccato 8RRs Staccatissimo 8RRs Portato Short 3RRs Portato Long 3RRs Sforzando 2RRs Trills - Half Tone Trills - Whole Tone True Double Tongue 4RRs

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 multipatch design. Almost all features of our single patches are available, too, via the wrench button in our multipatches. 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



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

THE MOST FLUID LEGATO

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%

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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