



ORCHESTRAL TOOLS  
FINEST SYMPHONIC SAMPLING PROJECT



## ARTICULATIONS

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FEATURES - COLORS - TECHNIQUES

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[www.orchestraltools.com](http://www.orchestraltools.com)



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## BERLIN STRINGS EXP E: SPECIAL EFFECTS

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- **Single Sections** - for individual and flexible String FX writing and orchestrating
- **Playable Effects:** Each articulation is recorded with its full range, different dynamic layers and most of them with Round Robins for remarkable realism and flexibility.
- **Measured Trills** up to a 5th at two different speeds  
Tempo Script that adjusts the Measured Trills automatically to your host tempo
- **Ligeti Clusters**
- **Huge Collection of Aleatoric Clusters** (Sustains, Staccatos, Dynamics, Tremolos, ...)
- Extensive **Aleatoric Glissando Sets**  
different lengths, Dynamics, Tremolo, Pizzicato, Trem Sul Pont...
- Chromatic Runs
- Recorded at the **Teldex Scoring Stage**

## STRING FX

**Berlin Strings EXP E - SFX** is the final installment of our orchestral effect range within the **Berlin Series**. It complements the Berlin Woodwinds EXP D - SFX and Berlin Brass EXP C - Horn SFX Collections with extensively captured playable multi-sampled tonal and atonal string effects. It is recorded at the level of flexibility and depth of sampling the Berlin Series is renowned for since its first Collection release.

With **thousands of risers, effect glissandos, clusters** and the new **tempo-synced Measured Trills**, this Collection is crafted to create a really controllable arsenal of Playable Effect Articulations throughout the full natural instrument ranges.

Round Robins on several articulations and controllable dynamic layers for most of the patches **let you break through the limitations of simple one shot effect samples**. All articulations were captured in individual sections to be able to orchestrate your own string ensemble combinations.

Because this collection was recorded at the famous **Teldex Scoring Stage** with **first-class musicians from Berlin**, it perfectly fits into the orchestral sonic world of the Berlin Series.

Berlin Strings EXP E - SFX is based on CAPSULE for the **NI Kontakt 5 Full version** sampler.

## SPECIFICATIONS

- 35 GB of samples (18,4 GB compressed)
- 24Bit / 48KHz Patches

**IMPORTANT: You need the Kontakt 5 full version sampler to run this library!**

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## VIOLINS I

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Measured Trills  
Pizzicato Bartok  
Cluster Ligeti Molto Vibrato  
Cluster Ligeti No Vibrato  
Cluster Aleatoric Sustain  
Cluster Aleatoric Portato  
Cluster Aleatoric Cresc Long  
Cluster Aleatoric Cresc Short  
Cluster Aleatoric Tremolo  
Cluster Aleatoric Tremolo Cresc Long  
Cluster Aleatoric Tremolo Cresc Short  
Cluster Aleatoric Staccato  
Glissando Aleatoric Normal Long Up  
Glissando Aleatoric Normal Long Down  
Glissando Aleatoric Normal Short Up  
Glissando Aleatoric Normal Short Down  
Glissando Aleatoric Tremolo Long Up  
Glissando Aleatoric Tremolo Long Down  
Glissando Aleatoric Tremolo Short Up  
Glissando Aleatoric Tremolo Short Down  
Glissando Aleatoric Spiccato Short Up  
Glissando Aleatoric Spiccato Short Down  
Glissando Aleatoric Spiccato Long Up  
Glissando Aleatoric Spiccato Long Down  
Glissando Aleatoric Pizzicato Long Up  
Glissando Aleatoric Pizzicato Long Down  
Glissando Aleatoric Pizzicato Short Up  
Glissando Aleatoric Pizzicato Short Down  
Runs Chromatic Short Up  
Runs Chromatic Short Down  
Repetitions Triplets (fast/ slow) TS

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## VIOLINS II

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Measured Trills  
Pizzicato Bartok  
Pizzicato Tremolo

Cluster Ligeti Molto Vibrato  
Cluster Ligeti No Vibrato  
Cluster Aleatoric Sustain  
Cluster Aleatoric Portato  
Cluster Aleatoric Cresc Long  
Cluster Aleatoric Cresc Short  
Cluster Aleatoric Tremolo  
Cluster Aleatoric Tremolo Cresc Long  
Cluster Aleatoric Tremolo Cresc Short  
Cluster Aleatoric Staccato  
Glissando Aleatoric Normal Long Up  
Glissando Aleatoric Normal Long Down  
Glissando Aleatoric Normal Short Up  
Glissando Aleatoric Normal Short Down  
Glissando Aleatoric Tremolo Long Up  
Glissando Aleatoric Tremolo Long Down  
Glissando Aleatoric Tremolo Short Up  
Glissando Aleatoric Tremolo Short Down  
Glissando Aleatoric Trem Sul Pont Long Up  
Glissando Aleatoric Trem Sul Pont Long Dwn  
Glissando Aleatoric Trem Sul Pont Short Up  
Glissando Aleatoric Trem Sul Pont Short Dwn  
Glissando Aleatoric Spiccato Long Up  
Glissando Aleatoric Spiccato Short Down  
Glissando Aleatoric Spiccato Short Up  
Glissando Aleatoric Spiccato Short Down  
Glissando Aleatoric Pizzicato Long Up  
Glissando Aleatoric Pizzicato Long Down  
Glissando Aleatoric Pizzicato Short Up  
Glissando Aleatoric Pizzicato Short  
Down  
Glissando Long Up  
Glissando Long Down  
Glissando Short Up  
Glissando Short Down  
Rips  
Runs Chromatic Short Up  
Runs Chromatic Short Down

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## VIOLAS

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Pizzicato Bartok  
Cluster Ligeti Molto Vibrato  
Cluster Ligeti No Vibrato  
Cluster Aleatoric Sustain  
Cluster Aleatoric Portato  
Cluster Aleatoric Cresc Long  
Cluster Aleatoric Cresc Short  
Cluster Aleatoric Tremolo  
Cluster Aleatoric Tremolo Cresc Long  
Cluster Aleatoric Tremolo Cresc Short  
Cluster Aleatoric Staccato  
Glissando Aleatoric Normal Long Up  
Glissando Aleatoric Normal Long Down  
Glissando Aleatoric Normal Short Up  
Glissando Aleatoric Normal Short Down  
Glissando Aleatoric Tremolo Long Up  
Glissando Aleatoric Tremolo Long Down  
Glissando Aleatoric Tremolo Short Up  
Glissando Aleatoric Tremolo Short Down  
Glissando Aleatoric Tremolo Sul Pont Long Up  
Glissando Aleatoric Tremolo Sul Pont Long Down  
Glissando Aleatoric Tremolo Sul Pont Short Up  
Glissando Aleatoric Tremolo Sul Pont Short Down  
Glissando Aleatoric Tremolo Sul Tasto Long Up  
Glissando Aleatoric Tremolo Sul Tasto Long Down  
Glissando Aleatoric Tremolo Sul Tasto Short Up  
Glissando Aleatoric Tremolo Sul Tasto Short Down  
Glissando Aleatoric Spiccato Long Up  
Glissando Aleatoric Spiccato Long Down  
Glissando Aleatoric Spiccato Short Up  
Glissando Aleatoric Spiccato Short Down  
Glissando Aleatoric Pizzicato Long Up  
Glissando Aleatoric Pizzicato Long Down  
Glissando Aleatoric Pizzicato Short Up  
Glissando Aleatoric Pizzicato Short Down  
Glissando Long Up

Glissando Long Down  
Glissando Short Up  
Glissando Short Down  
Rips  
Runs Chromatic Short Up  
Runs Chromatic Short Down

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## CELLI

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Measured Trills  
Pizzicato Bartok  
Cluster Ligeti Molto Vibrato  
Cluster Ligeti No Vibrato  
Cluster Aleatoric Sustain  
Cluster Aleatoric Portato  
Cluster Aleatoric Cresc Long  
Cluster Aleatoric Cresc Short  
Cluster Aleatoric Tremolo  
Cluster Aleatoric Tremolo Cresc Long  
Cluster Aleatoric Tremolo Cresc Short  
Cluster Aleatoric Staccato  
Glissando Aleatoric Normal Long Up  
Glissando Aleatoric Normal Long Down  
Glissando Aleatoric Normal Short Up  
Glissando Aleatoric Normal Short Down  
Glissando Aleatoric Spiccato Long Up  
Glissando Aleatoric Spiccato Long Down  
Glissando Aleatoric Spiccato Short Up  
Glissando Aleatoric Spiccato Short Down  
Glissando Aleatoric Tremolo Long Up  
Glissando Aleatoric Tremolo Long Down  
Glissando Aleatoric Tremolo Short Up  
Glissando Aleatoric Tremolo Short Down  
Glissando Long Up  
Glissando Long Down  
Glissando Short Up  
Glissando Short Down  
Runs Chromatic Short Up  
Runs Chromatic Short Down

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## BASSES

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Pizzicato Bartok

Cluster Ligeti Molto Vibrato

Cluster Ligeti No Vibrato

Cluster Aleatoric Sustain

Cluster Aleatoric Portato

Cluster Aleatoric Cresc Long

Cluster Aleatoric Cresc Short

Cluster Aleatoric Tremolo

Cluster Aleatoric Tremolo Cresc Long

Cluster Aleatoric Tremolo Cresc Short

Cluster Aleatoric Staccato

Glissando Aleatoric Normal Long Up

Glissando Aleatoric Normal Long Down

Glissando Aleatoric Normal Short Up

Glissando Aleatoric Normal Short Down

Glissando Aleatoric Spiccato Long Up

Glissando Aleatoric Spiccato Long Down

Glissando Aleatoric Spiccato Short Up

Glissando Aleatoric Spiccato Short Down

Glissando Aleatoric Tremolo Long Up

Glissando Aleatoric Tremolo Long Down

Glissando Aleatoric Tremolo Short Up

Glissando Aleatoric Tremolo Short Down

Glissando Short Up

Glissando Short Down

Glissando Long Up

Glissando Long Down

Rips

Runs Chromatic Short Up

Runs Chromatic Short Down



## 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® Award-winning 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.

*"Berlin Woodwinds was more than just a recording;  
it was done in one of the best places you can get..."*

**Wolfgang Fraissinet,**

President of NEUMANN Microphones

*"When it comes to orchestral sampling, you've to care about three things:  
The concept, the musicians, and the acoustic space."*

**Hendrik Schwarzer,**

composer, co-Founder of Orchestral Tools





# 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 interpreter 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

NEW

# 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 re-edited 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 losing the instrument volume relations.



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## HD BACKUP SERVICE

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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 Döhning

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