

# TOLL

Historical Bells Collection

anno 1300 to 1900

**SONOKINETIC**

# Toll

Historical Bells Collection

“Cast with a musical Core”

Sonokinetic BV © 2013



**Built For Kontakt Player 5.7.1+ and compatible with Complete Kontrol and NKS**



# Toll

Way back when, when Sonokinetic was in its infant stage, we recorded two carillons and turned them into a simple kontakt instrument. Ever since, we have felt the urge to revisit that, and do it with the knowledge and experience we have gained over the past years. That time has come, and this time it is not just a carillon, but a large collection of different sized bells, from various periods and places of origin.

Each hit on these bells will spark a very unique and authentic sound that can only be generated by pure weight and age. Sonokinetic sampled historical valuable bronze cast bells as old as a 1000 years, proceeded through the ages of innovation in bell casting and tuning and ended in our time of hi-tech computer calibrated pitch perfect bells, and sampled all of those with great attention to detail, preserving their original tails of up to 30 seconds.

The swiss pocketknife of the collection is the Carillon, sounding just amazing! This is the best pitched and sound callibrated Carillon you will find. Originally cast by the foundries that made the new bell in the Notre Dame in Paris, the Olympic Games 2012 bell and several renowned carillons all over Europe. Where Sonokinetic Mallets is there for your subtle orchestral needs, this product will literally blow you away, and make everything sound epic and Majestic, and add a weight to your compositions, pun intended, in a way that not many instruments are able to.

It's just amazing when you think of it, that you can now have things like this in your composing arsenal, complete church organs, orchestras and clocks weighing thousands of kilos, on a laptop or desktop computer, literally at your fingertips.

All samples for this product are recorded and sampled in 24bit 96Khz, and all processing is done in that resolution, after which we converted them to 24 bit 48Khz, making a convenient package of just over 3 GB.

Over a timespan of more than a 1000 years of production, assembly, usage and preservation this very unique collection of bells are sampled here for the fist time and offered to you in an original Sonokinetic library.

Sonokinetic climbed a cathedral, risking permanent hearing loss, to capture the original sound of 6000kg heavy cast bells that sound from the Dutch Saint Johns Cathedral and traveled back in time to ancient Dutch Glory of the Golden age in the 16th and 17th century where the production of tower bells was perfected. Toll covers bells from European countries like Belgium, France, Germany and the Netherlands, and an in depth study and recording of South-East-Asian ceremonial bells covering ground from Vietnam to China.

We believe in offering very high-quality sample libraries at very attractive pricepoints. Thank you for joining us in making that a reality!

We wish you the best inspiration and creativity.

With warm regards,

The Sonokinetic Toll Production Team

## Contents

- 4 Main Bell categories
  - Carillons
  - Historical Bells Collection
  - Silk Road Bells Collection
  - Tower Bells Collection
- Two Carillons, played hard and soft
- 15 European Original Bells from 14<sup>th</sup> century to 20<sup>th</sup> century
- 13 South East Asian Ceremonial Bells 10<sup>th</sup> century to 19<sup>th</sup> century
- 3 Tower bells, including the Saint John's Cathedral bells
- 4 matching Impulse responses "Chapel", "Cathedral", "Temple" and "Summit"
- Kontakt Convolution Reverb
- Full Round Robin control. (Exclude, Freeze, Mark)
- Sample Tail Control (Kontakt length adjustable)
- Kontakt 4: 3 Band EQ, 5: 4 Band Solid-G EQ
- 600+ samples. (3,3+ GB sample content) in wave format
- Royalty and copyright free content license.
- Toll Reference manual (pdf).
- Artwork: "Toll" dvd cover. Designed by Sonokinetic

**Format:** All files in 48 kHz, 24bit wave format.



*"please note: Historical and Silk Road Bells are tuned pre-modern day pitch conversion"*

## THE INTERFACE



The main UI for Toll consists of several controls: A selection panel to choose a set of bells, tail length, EQ controls and reverb selector dials. There are also buttons to enter the round robin edit menu.

To select one of the instruments simply click the arrows above the BELL SELECT panel.

The eight bell sets available are:

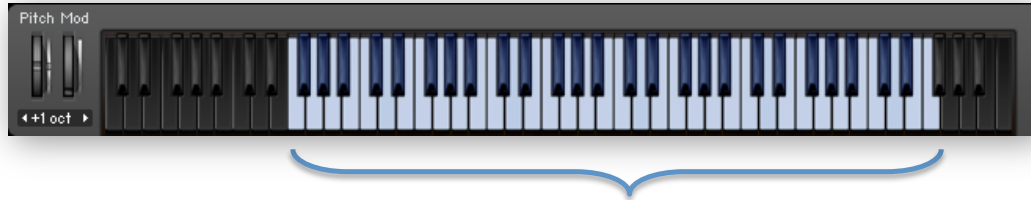
- Carillon hard**
- Carillon soft**
- Silk road I**
- Silk road II**
- Cathedral bell**
- Tower bells**
- Historical I**
- Historical II**

The graphic will change to depict the chosen bells as shown here:



## PLAYING TOLL

### Carillion Hard & Carillion Soft



The blue keys indicate the playable chromatic range of the Carillion.

### Silk road, Cathedral bell, Tower bells, Historical

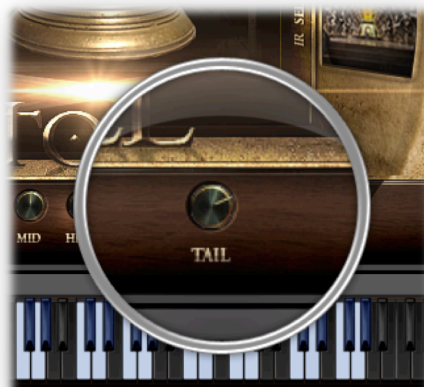


The blue keys trigger samples. Note that the mapping of some sample sets lie above the +1 range of the Kontakt keyboard, shown above.

### Release Tails

The naturally resonating bell samples in Toll all have very long release tails. The TAIL dial dictates the length of the release envelope when you release a key. Drag the dial to shorten or lengthen the release tail.

Holding down a key or using the sustain pedal will allow these release tails to play out at full length.



## EQ

Hold the left mouse button to adjust the LOW, MID & HIGH dials to taste. You can reset the dials to their default positions by holding cmd-click. (on a PC that would be CTRL and left-click)

Default frequencies are 250Hz, 1.4kHz & 7.5kHz but these can be easily adjusted by opening the Kontakt instrument editor and changing the frequencies in the Insert Effects panel shown below.



In the Kontakt 5 version of the instrument we used the 4-band Solid-G EQ, which offers more flexibility and a better sound.

## IMPULSE RESPONSE (IR)

Toll comes with several bespoke reverbs to simulate realistic playing environments. Choose these with the left / right buttons shown here. Adjust the AMOUNT of reverb and SIZE of the room with the two dials.



You can further customize or replace the IR within the Kontakt instrument editor Insert Effects panel, shown below.





## ROUND ROBINS & EDIT MENU

All of the different bell sample sets in Toll have several round robin (RR) samples. These are cycled for each individual key, which produces a very natural sounding playback. You can see which RR sample is being played by observing the yellow MIDI keys towards the bottom of the keyboard.

We have provided three different editing menus for setting individual keys to either FREEZE, EXCLUDE or MARK different RR samples. You may find this useful if you wish your DAW playback to always playback the same samples or if you wish to exclude any unwanted RR samples.

Click either the RR FREEZE, EXCLUDE or MARK buttons to enter that edit menu. Choose a RR sample set with the yellow keys towards the bottom of the keyboard.



The round robins on any green key will operate in the normal way, cycling through all available samples. The red keys take on the characteristic of the specific menu and round robin set chosen... either freezing, excluding or marking that sample:

- FREEZE – chosen RR set and key will **always** play that sample
- EXCLUDE – chosen RR set and key will **never** play that sample
- MARK – chosen RR set and key will play that sample first

### An example with FREEZE:



Here we have selected RR sample set 3

All green keys will play normal RR cycles

All red keys will ONLY play RR sample set 3

Always remember to exit the edit menu by clicking the FREEZE, EXCLUDE or MARK button again to save your preferred RR changes. When the keys revert back to blue you have returned to playback mode.

## PERFORMANCE

The default max voice number of Toll is set to 256. This can be changed in the Kontakt interface by clicking '256' and entering your own chosen value. This may be useful if you are planning to play glissando and want to retain the long release tail portions of all of the individual samples.



## PURGING

Toll purges and loads the samples into RAM as you select the various bell sets. Depending on your system you may need to allow a couple of seconds for the loading to complete before playing a new set of bells.

## Special Thanks

Museum "Klok en Peel" Asten, the Netherlands  
with a special thanks to conservator mr. R. Schütte

mr. J. van Balkom carillonneur in the Saint John's cathedral 's-Hertogenbosch  
The Netherlands

for more information, check our website:

<https://www.sonokinetic.net/>

join us on Facebook

<https://www.facebook.com/Sonokinetic/>

follow us on twitter:

<https://twitter.com/sonotweet>

check out our Instagram:

<https://www.instagram.com/sonokinetic/>

watch our YouTube tutorial videos:

<https://www.youtube.com/user/sonokinetic>

access your own user area:

<https://users.sonokinetic.net/login.php>

... or if you have any questions

or any other Sonokinetic product, send us a support query at

<https://support.sonokinetic.net/>

all the creative best,

Sonokinetic BV

**SONOKINETIC®**