

BOLDER *Sounds*

presents

Crystal Glasses

Volume 2

Apple Logic EXS24



Background on the Crystal Glasses

The Crystal Glasses volume 2 is a project I began in 2007. I worked on it sporadically over the last 3 years. Bolder Sounds already has a very popular sound set entitled *Crystal Glasses and Meditation Bowls*. So - why create another? The crystals recorded in that library date back to the mid 1990's when 16 bit mono samples was the standard format (the Meditation Bowls were sampled at a later date in stereo). Also - the idea of recording these crystal glasses as a group of glasses opened up the door to different sound design opportunities. Pictured above is just one group of glasses out of the six sets that were sampled. This new sample library features 24-bit stereo samples, round-robin sampling and numerous articulations. Total size of the Crystal Glass Volume 2 library is 490 mb.

EXS24 Installation

Before you do anything else - *please make a backup copy of the package you have downloaded!*

After extracting the Crystal Glasses V2 EXS24 folder, you may place it anywhere on your hard drive you prefer. However the *Crystal Glasses V2 instruments folder* must be placed in the correct place as follows -

Crystal Glasses V2 instruments folder - Copy this to Sampler Instruments folder used by Logic (user/Library/Application Support/Logic/Sampler Instruments)

Organizing the Crystal Glasses

I began with a set of six crystal glasses. Within each set of crystal glasses there were 10 glasses to choose from giving me 60 glasses to sample. I've numbered the six crystal glasses 1-6. Each of the 10 glasses in each set were exactly the same size and you would think they would create the same pitch, however they do not. The pitch variation in within each set different by as much as a fifth. This gave me a great amount of sonic variety to choose from. When I combined to the six glasses I had about 1 1/2 octaves of different pitches to choose from. Among the six sets of crystal glasses there were many overlapping pitch ranges. Again, this gave me many options in the way that these samples were mapped across the keyboard in various combinations with each other.



Crystals Glasses 1 - 6 left to right

For the EXS24 you will see five folders - Crystal Hits, Singing Crystals, Granular Crystals, Bowed Crystals and Crystal Combos.

The instrument names inside each folder whenever possible reflect which number crystal glass was used or combination of glasses. For example-in the Crystal Hits folder you will see *Crystal Hits 21.exs* which uses only crystal glasses numbers 2 and 1. *Crystal Hits 543 and 643* use glasses 5,4 and 3 on the lower part of the keyboard and glasses 6,4 and 3 on the upper part of the keyboard. The reason glasses 2 and 1 are isolated is because their frequency content created too much dissonance when combined with the other glasses. These were the 'rogue' glasses of the set. So they were sent off into a corner to sit by themselves. However they are very interesting sounding on their own.

If you are wondering what kind of modulation routings have been programmed for the EXS24, all you need to do is look down toward the bottom of the EXS front panel and you will see the modulation routings. I frequently use the Mod Wheel as well as CC#20 to control filters and volume levels.

The Hit Crystals were sampled with 3 round-robins per hit, there is also a set of soft hits which have 2 round robins per hit.

The Bowed Crystals were sampled with a cello bow, and were played with both long and short articulations.

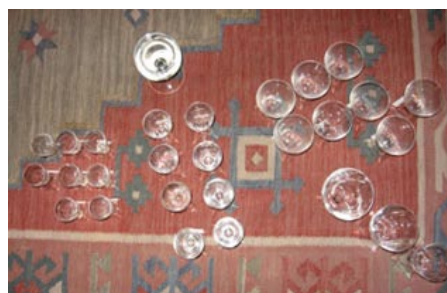
The Granular Crystals represent some other-worldly type of pad sounds created with various granular synthesis tools.

The Singing Crystals are pads and that were created by running my wet finger along the rim of the glass to make the glass sing. Crystal #5 refused to sing, so it is not present.

The Crystal Combo folder has different layers of bowed, singing and crystal hits where the Mod Wheel acts as a mixer control.

If you are a NI Kontakt user as well as in the EXS24 user, you may download the contact instruments for free on the EXS24 at the bottom of the *Crystal Glasses Volume 2* product page. The Kontakt version takes advantage of advanced scripting KSP techniques.

Below are some photos of the various glasses that were sampled for this library



Customer Support

For any questions, technical issues inquiries etc.... please contact Bolder Sounds via email at sales@boldersounds.net.

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