

BOLDER *Sounds*

Hammered Dulcimer Trilogy - Volume 2

Hammered Dulcimer

Apple Logic EXS24



ABOUT THE INSTRUMENT

The most common hammered dulcimers one encounters today are double 'course' instruments. Meaning they use 2 strings per note (much like a twelve string guitar). The range of this dulcimer spans 3 octaves from D2 - D5. This hammered dulcimer represents what would be considered today as a "standard" hammered dulcimer for lack of a better term.

EXS24 Installation

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

After extracting the Hammered Dulcimer EXS24 folder, you may place it anywhere on your hard drive you prefer. However there are 2 other folders which must be placed in the correct place. They are as follows -

Hammered Dulcimer instruments folder - Copy this to Sampler Instruments folder used by Logic to (user/Library/Application Support/Logic/Sampler Instruments).

Hammered Dulcimer Channel Strips folder - Copy this to Channel Strip Settings/Instrument folder to (user/Library/Application Support/Logic/Channel Strip Settings/Instrument).

Logic Pro Channel Strips

There are 6 channel strip settings for the Concert Grand which were created with Logic Pro 8. The channel strips generally employ EQ along with some Space Designer impulse responses and various effects. These are intended just to get the user started in creating their own channel strip settings. Logic Pro offers an immense palette of sonic sculpting tools to choose from.

Notes on the Sampling and Programming

The Hammered Dulcimer was sampled in stereo at 24 bits/44k into a Alesis ML9600 High Resolution Master Disc Recorder using a stereo pair of Nuemann KM 184 mics into a Grace Design 201 mic preamp. The 24 bit resolution has been retained for this EXS24 sample set.

Total size of all samples and .nki's combined is 373 megabytes. This 2 course Hammered Dulcimer was sampled with wood and leather hammers.

The Drag Ornament

Also sampled with both wood and felt hammers were "drag" ornaments - created by one hammer bouncing repetitively on the string to be finally interrupted by the other hammer which plays a long accented note. This ornament is generally used leading into a downbeat. So the bouncing portion of the note is just ahead of the beat acting as a pickup or anticipation into the down beat.

If you are unsure as to what kind of programming modulations have been assigned to a particular instrument, just look at the bottom of the EXS24's front panel and you will see the modulation matrix which very clearly shows controller assignments as well as other programming parameters.

Hammered Dulcimer EXS24 Instrument list

HD 3 Way VelSw MW=HiPas - 3 way velocity switch between leather, wood and wood hammer drag ornaments. Your mod Wheel controls the HiPass filter cutoff.

HD 4 way KeySw G#1-B1 - All four articulations are presented in this Keywitch instrument. Keyswitch note assignments are from G#1 through B1.

HD Leather Drags - EXS instrument with the leather hammer drags ornament only.

HD Leather default - EXS instrument with the leather hammers only.

HD Lthr + Vel Drags - This is a velocity switch instrument between leather hammers and leather drag ornaments.

HD Lthr MW=HiPass - Leather hammers with you Mod Wheel controlling the Hipass filter.

HD Lthr-Wood VelXfade - Leather hammer samples are velocity crossfaded into Wood.

HD Wood+Drag VelSw - Wood hammer hit samples are velocity switched into Wood drags.

Customer Support

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

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Thank You for your consideration! Dennis Burns - boldersounds.com