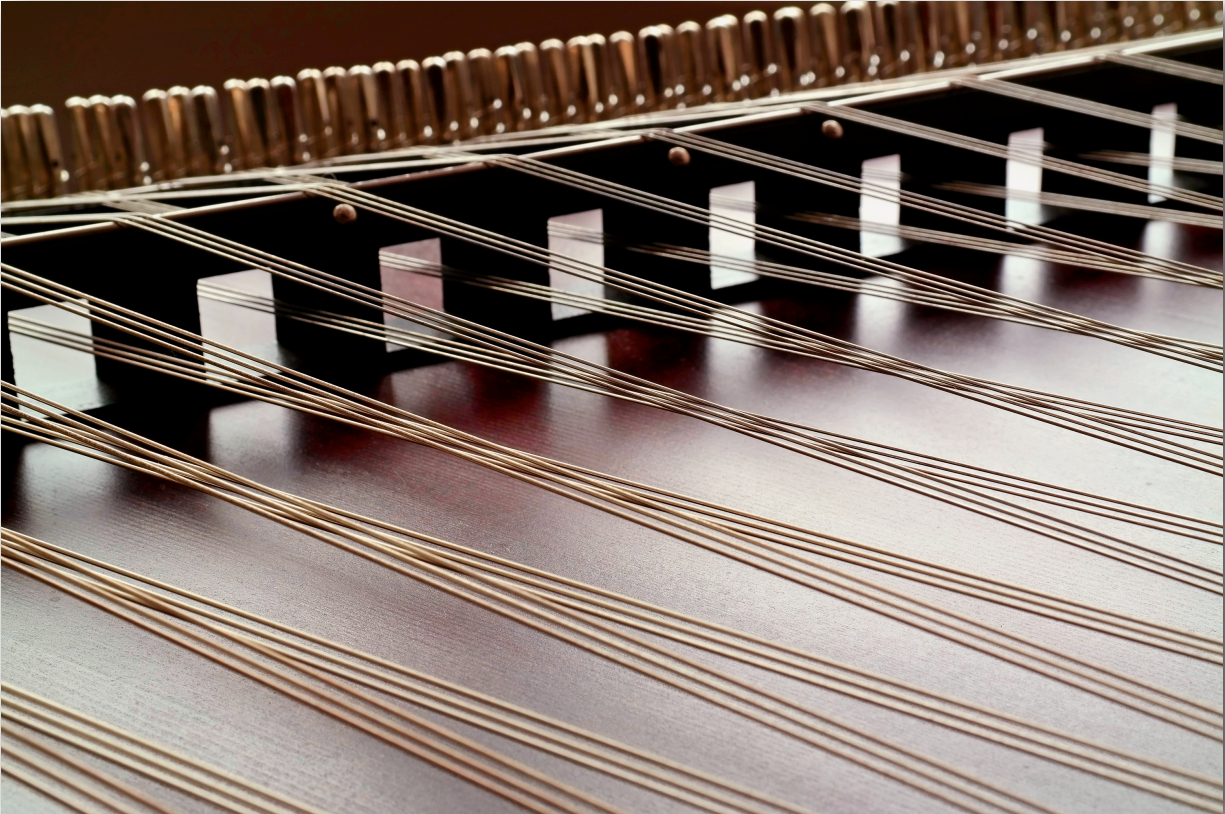


BOLDER*Sounds*

EXs161



Concert Grand Hammered Dulcimer

Owner's Manual

KRONOS
Music Workstation

Overview

Welcome to the second sampled instrument from the Bolder Sounds *Hammered Dulcimer Trilogy*: **Concert Grand Hammered Dulcimer**

About the Concert Grand Hammered Dulcimer

The Concert Grand Hammered Dulcimer is an instrument which is rarely heard in sample libraries. Most hammered dulcimers you see these days are double *course* instruments. Meaning they use 2 strings per note (much like a twelve string guitar). One of the unique things about the Grand Dulcimer is that it employs three courses making for a bigger and more percussive sound. It is also a larger instrument when compared to the standard 2 course hammered dulcimer. It is not quite as big as the Cimbalom, but still quite a colossal instrument to lug around. The Cimbalom's sound-print is quite a bit darker than this instrument. Concert Grand hammered dulcimers enjoyed a bit of a revival among US folk musicians in the 1960's.

Kronos Programming

The Concert Grand Hammered Dulcimer library features 17 Kronos programs. Each program has a KARMA GE assigned to it with 4 scenes to choose from as well as a Drum Track. At program 000 - we begin with each individual sampled articulation. By program 005 you are presented with a 3 way velocity switch dulcimer of the basic pitches - featuring thumb, felt and wood hammer articulations. This is followed by programs which use JS+Y modulation to bring in the *drag* ornament samples. Rounding out the set we have the Concert Grand Dulcimer presented in a layered manner with other ROM samples from the Kronos.

I have found the approach of having each component of the instrument as a separate program to be useful when working with the Kronos sequencer as well as a beneficial organizational tool.

Sampled Articulations

Each note was sampled with wood and felt hammers as well as plucked with the flesh of the thumb for a very dark and warm timbre. The thumb samples are certainly not a traditional articulation of the dulcimer - but why not?

The Drag Ornament

The Drag ornaments were sampled for each pitch with both wood and felt hammers. The drag ornaments are 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. The bouncing portion of the note is just ahead of the beat acting as a pickup or anticipation into the down beat.

Demo Sequences

In your download is a demo .SNG file with two demo sequences which can be loaded with your sounds called **Grand Dulcimer - Demos.SNG**. The demo entitled *Foggy Dew*, is a traditional Irish folk song. The second demo - *5 Feet Under* was created almost entirely with RPPR patterns and KARMA GE's. It is also a bit of a tribute to my favorite HBO series - *Six Feet Under*.

Concert Grand Dulcimer Program List

Program	Name
U-G000	Grand Dulcimer Wood
U-G001	Grand Dulcimer Felt
U-G002	Grand Dulcimer Thumb
U-G003	Grand Dulcimer Felt Drag
U-G004	Grand Dulcimer Wood Drag
U-G005	Grand Dulcimer Velocity
U-G006	Grand Dulcimer Felt JS+Y
U-G007	Grand Dulcimer Wood JS+Y
U-G008	Grand Dulcimer Wood+Drag
U-G009	Grand Dulcimer Felt+Drag
U-G010	Grand Dulcimer + Pluck
U-G011	Grand Dulcimer Felt + Choir
U-G012	Grand Dulcimer + Strings
U-G013	Grand Dulcimer + Pad
U-G014	Gr Dulcimer Drag + Glass
U-G015	Grand Dulcimer + Spectra
U-G016	Grand Dulcimer + CymbFI

Concert Grand Dulcimer Program Notes

Program 000 - **Grand Dulcimer Wood** is a basic single OSC program featuring the wood hammers.

Program 001 - **Grand Dulcimer Felt** is a basic single OSC program featuring the felt hammers.

Program 002 - **Grand Dulcimer Thumb** is a basic single OSC program featuring the flesh of the thumb samples.

Program 003 - **Grand Dulcimer Felt Drag** is a simple single OSC program featuring the drag ornament with the felt hammers.

Program 004 - **Grand Dulcimer Wood Drag** is a simple single OSC program featuring the drag ornament with the wood hammers.

Program 005 - **Grand Dulcimer Velocity** is a single OSC program featuring a 4 way velocity switch between thumb, felt, wood and wood drag articulations.

Program 006 - **Grand Dulcimer Felt JS+Y** is a dual OSC program with felt hammer samples assigned to OSC1 and felt drag ornaments assigned to OSC2.

Program 007 - **Grand Dulcimer Wood JS+Y** is a dual OSC program with wood hammer samples assigned to OSC1 and wood drag ornaments assigned to OSC2.

Program 008 - **Grand Dulcimer Wood+Drag** is a program where a velocity value of 114 or higher triggers a wood hammer drag sample.

Program 009 - **Grand Dulcimer Felt+Drag** is a program where a velocity value of 114 or higher triggers a felt hammer drag sample.

Program 010 - **Grand Dulcimer + Pluck** utilizes velocity switching of thumb, felt and wood samples in OSC1 and a Kronos bouzouki ROM sample in OSC2 as a layer.

*Program 011 - **Dulcimer Felt + Choir*** uses felt hammer samples in OSC1 and a Kronos choir ROM sample in OSC2 as a layer.

*Program 012 - **Dulcimer Felt + Strings*** uses wood hammer samples in OSC1 and a Kronos string ensemble ROM sample in OSC2 as a layer.

*Program 013 - **Dulcimer Felt + Pad*** uses thumb plucked samples in OSC1 and two Kronos pad ROM samples in OSC2 as a layer.

*Program 014 - **Gr Dulcimer Drag + Glass*** uses felt and wood drag ornaments in OSC1 and two Kronos glass ROM sample in OSC2 as a layer.

*Program 015 - **Grand Dulcimer + Spectra*** is a dual OSC program with OSC2 using a synthetic Kronos ROM sample. A KARMA GE is engaged as well as a Drum Track by default. If you do not wish to hear there, simply turn them off and re-save the program.

*Program 016 - **Grand Dulcimer + CymbFI*** is a dual OSC program with OSC2 using a Kronos ROM Cymbal Flute multisample.

Thank you to William Busch for his programming contribution to this library.

I hope you enjoy the KRONOS edition of the Concert Grand Hammered Dulcimer!
Dennis Burns - Bolder Sounds - September 2015

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