

## Handbells Apple EXS24

Instrument files (.exs) and Channel Strip settings (.cst)



### **ABOUT EXS24 Instrument and Channel Strip files**

This package is offered as a convenience for Kontakt users of the Handbells library who also use the Apple EXS24. Enclosed are the EXS instruments as well as Channel Strip settings. The sample data is the SAME for both NI Kontakt and the EXS24. The enclosed .exs and .cst files are all you need to use the EXS24 with the Handbell library (this assumes you already have the Kontakt version of the Handbells installed on your Mac). See below for installation instructions.

### **Installation of the EXS24 files**

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

*Handbell 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 11 channel strip settings for the Handbells 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.

## EXS24 Compatibility and Logic versions

This library was created with Apple Logic Studio version 8. However it should be 100% compatible with versions 7 and 9 as well. The EXS24's editor received a bit of a 'face lift' from Apple in version 8, but the basic functions of the EXS24 still remained the same.

## About the EXS24 Programming

Each Handbell articulation is presented as a separate EXS instrument (.exs). There are also a few EXS instruments which incorporate velocity switch, velocity crossfade and layered programming. I generally try to name my .exs instruments so they reflect the programming involved. Below are some examples -

*HB ALL KeySwitch C1-G#1* - A key switched instrument involving all sampled handbell articulations. Press keys C1-G#1 to trigger any one of the 9 articulations.

*HB Clapper Vel=Atk* - Clapper samples where the attack speed of the Amp Envelope is slower at low velocities and quicker at higher velocities.

*HB Plk-Mallet VelSw* - A velocity switch instrument between 2 different mallet-muted sampled articulations. This uses the Plucked (lower velocity) and Mallet-Table (higher velocity) articulations.

*HB Sing+Shakes MW=Mix* - The modulation wheel (cc #1) acts as a mixing control between the Singing handbell and the Shake handbell articulations.

*HB 3 way VelSwitch* - This is a 3 way velocity switch instrument involving the clapper, hard mallet and the chopstick handbell samples.

## Handbells Keyswitch EXS Instrument

The Handbells Key Switch instrument entitled HB ALL KeySwitch C1-G#1 includes all the different articulations of the Handbells. The Keyswitch layout has all the sustain articulations on the white keys, and most muted articulations on the black keys. You can think of the Keyswitch program more like a Handbell instrument played by a solo performer with different articulations available at the touch of a key.

C1 = Clapper / C#1 = Plucking / D1 = Hard Mallet / D#1 = Mallet Table / E1 = Soft Mallet.  
F1 = Chopstick / F#1 = Table Hit Ending / G1 = Singing / G#1 = Shaking

### EXS24 Modulation Matrix



Please be aware of the EXS24's *Modulation Matrix* in the middle of the EXS front panel. It clearly shows modulation routings that are programmed. In the above matrix, control #1 (mod wheel) is lowering the *Relative Volume* of the instrument by -3db.

*Dennis Burns - Bolder Sounds - October 2009*

## Customer Support

For any questions, technical issues inquiries etc .... please contact Bolder Sounds via email at [sales@boldersounds.net](mailto:sales@boldersounds.net).

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