



PLAY

EastWest/Quantum Leap Pianos Virtual Instrument

Silver Edition

Users' Manual

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PLAY

1. Welcome

- 2 About EastWest**
- 3 Producer: Doug Rogers**
- 5 Producer: Nick Phoenix**
- 6 Credits**
- 7 How to Use This and the Other Manuals**
- 8 Online Documentation and Other Resources**

[Click on this text to open the Master Navigation Document](#)

Welcome

About EastWest

EastWest (www.soundsonline.com) has been dedicated to perpetual innovation and uncompromising quality, setting the industry standard as the most critically acclaimed producer of Sample CDs and Virtual (software) Instruments.

Founder and producer Doug Rogers has over 30 years experience in the audio industry and is the recipient of many recording industry awards including “Recording Engineer of the Year.” In 2005, “The Art of Digital Music” named him one of “56 Visionary Artists & Insiders” in the book of the same name. In 1988, he founded EastWest, the most critically acclaimed sound developer in the world, and recipient of over 50 industry awards, more than any other sound developer. His uncompromising approach to quality, and innovative ideas have enabled EastWest to lead the sound-ware business for 20 years.

In 1997 Rogers partnered with producer/composer Nick Phoenix and set up Quantum Leap, a wholly owned division of EastWest, to produce high-quality, no-compromise sample libraries and virtual instruments. Quantum Leap virtual instruments are mostly produced by Nick Phoenix. Some of the larger productions, such as Symphonic Orchestra, Symphonic Choirs and Quantum Leap Pianos are co-produced by Doug Rogers and Nick Phoenix. As a composer, Phoenix began scoring film trailers and television commercials in 1994. To date, he has either scored or licensed music for the ad campaigns of over 1000 major motion pictures including Tomb Raider 2, Terminator 3, Lord of the Rings Return of the King, Harry Potter 2, Star Wars Episode 2, Spiderman 3, Pirates of the Caribbean 3, Blood Diamond, Night at the Museum, and The Da Vinci Code. Quantum Leap has now firmly established itself as one of the world’s top producers of high-end sample libraries and virtual instruments.

In 2006, EastWest purchased the legendary Cello Studios (formerly United Western Recorders) on Sunset Boulevard in Hollywood, re-naming it EastWest Studios. The 21,000 sq. ft. facility, since remodelled by master designer Philippe Starck, houses five recording studios and is the world headquarters for EastWest.

Producer: Doug Rogers

Doug Rogers has over 30 years experience in the audio industry and is the recipient of many recording industry awards including “Recording Engineer of the Year.” In 2005, “The Art of Digital Music” named him one of “56 Visionary Artists & Insiders” in the book of the same name.

In 1988, he founded EastWest, the most critically acclaimed sound developer in the world, and recipient of over 50 industry awards, more than any other sound developer. His uncompromising approach to quality, and innovative ideas have enabled EastWest to lead the sound-ware business for 20 years. In the late eighties, he released the very first commercial drum sample CD, and followed it with the multiple-award-winning “Bob Clearmountain Drums” sample collection.



In the years that followed he practically reinvented the sound-ware industry. EastWest introduced loop sample libraries to the market in the early nineties, followed closely by the first midi-driven loops (Dance/Industrial). He released the first sample library to include multiple dynamics, followed by the first sample library to stream from hard disk, an innovation that led to the detailed collections available today. His recent productions of Symphonic Orchestra (awarded a Keyboard Magazine “Key Buy Award,” EQ Magazine “Exceptional Quality Award,” Computer Music Magazine “Performance Award,” and G.A.N.G. [Game Audio Network Guild] “Best Sound Library Award”); and Symphonic Choirs (awarded Electronic Musician “2006 Editor’s Choice Award,” G.A.N.G. “Best

EASTWEST/QUANTUM LEAP PIANOS VIRTUAL INSTRUMENT

Sound Library Award,” and Keyboard Magazine “Key Buy Award”). He persuaded audio legend Prof. Keith O. Johnson to record EWQLSO and EWQLSC, and came up with the revolutionary idea of recording all instruments and voices with 3 simultaneous stereo mic setups so users can control the tone of the performances and the acoustics of the concert hall, as well as create surround sound mixes.

His latest productions include Quantum Leap Pianos, another 3 mic setup, and the most detailed virtual piano collection ever produced; and Fab Four, inspired by the sounds of the Beatles, featuring the same kind of vintage instruments and original EMI/Abbey Road recording equipment as the Beatles used to create their music. He persuaded audio legend Ken Scott, who was involved in the recording of five Beatles albums, and engineer for “Magical Mystery Tour” and “The Beatles” (also known as the White Album) to work with him on Fab Four.

He also acquired one of Hollywood’s most famous recording studio complexes in 2006, formally United Western (now EastWest Studios), recipient of more engineering awards and RIAA certified Gold and Platinum recordings than any other studios worldwide. He persuaded top international design superstar Philippe Starck to redesign the non-technical areas of the studios. Over the last decade he has partnered with producer/composer Nick Phoenix and set up the Quantum Leap imprint, a subsidiary of EastWest, to produce high-quality, no compromise sample libraries and virtual instruments. EastWest/Quantum Leap virtual instruments are considered the best available and are in daily use by the who’s who of the industry.

His latest technical achievement was unveiled at the 2007 NAMM convention - the world’s first 64-bit audio engine named PLAY, which powers EastWest/Quantum Leap’s latest suite of virtual (software) instruments.

Producer: Nick Phoenix

Nick began scoring film trailers and television commercials in 1994. To date, he has either scored or licensed music for the ad campaigns of over 1000 major motion pictures. "Rendition," "Spider-Man 3," "Golden Compass," "The Assassination of Jesse James," "Pirates of the Caribbean 3," "Babel," "Hitman," "I Am Legend," "300," "No Country For Old Men," "Harry Potter 5," "The Brave One," "Wall-E," "Blood Diamond," "Speed Racer," and "Night at the Museum" are a few recent examples. Nick and Thomas Bergersen founded the ultimate trailer music company "Two Steps From Hell" in 2006. www.twostepsfromhell.com.



Nick has also scored numerous TV shows for NBC, CBS, Showtime, and Fox. "In Pot We Trust," a Showtime original film, is playing in the fall of 2007.

The journey as a composer has also inspired Nick to record and program his own sounds and samples. Nick founded Quantum Leap Productions in 1997 and Quantum Leap has since grown to be the world's top producer of high-end virtual instruments. A 10-year partnership with Doug Rogers and East West has yielded countless award winning software titles such as Stormdrum, Symphonic Orchestra, Symphonic Choirs, RA, Voices of Passion, Ministry of Rock, Gypsy, QL Pianos, VOTA, QL Brass, QL Guitar and Bass, Hardcore Bass, Goliath, and Colossus.

Nick's studio is located in Venice, California, and is 100% solar powered.

www.nickphoenix.com

Credits**Producers**

Nick Phoenix, Doug Rogers

Engineering

Doug Rogers, Nick Phoenix, Ken Scott (Bechstein close mics)

Engineering Assistants

Rhys Moody, Beau Fletcher

Piano Player

John Sawoski

Programming

Nick Phoenix, Justin Harris, Mike Dimattia

Sound Editing

Justin Harris, Mike Dimattia, Alec Phoenix, Nick Phoenix,
Carlos Vasquez, Aldo Lehman, Brendan Ballantine

Art Direction

Doug Rogers, Nick Phoenix, Steven Gilmore, Thomas Merkle

Software

Doug Rogers, Nick Phoenix, Klaus Voltmer, Klaus Lebkucher, Patrick Stinson,
Stefan Kersten, Toine Diepstraten, Sam Fischmann, Nick Cardinal, David Kendall

Manual

John Philpit

How to Use This and the Other Manuals

All documentation for the EastWest PLAY Advanced Sample System and its libraries is provided as a collection of Adobe Acrobat files, also called PDFs. They can be viewed on the computer screen or printed to paper.

Each time you install one of the PLAY System libraries, two manuals are copied to the file system on your computer:

- The manual that describes the whole PLAY System. The largest of the manuals, it addresses how to install and use all aspects of the software that are common to all libraries.
- The library-specific manual, such as the one you are currently reading. This smaller document describes aspects that differ from one library to the next, such as the list of included instruments and articulations.

Using the Adobe Acrobat Features

By opening the Bookmarks pane along the left edge of the Adobe Acrobat Reader, the user can jump directly to a topic from the section names. Note that some older versions of Acrobat Reader might not support all these features. The latest Acrobat Reader can be downloaded and installed at no cost from the Adobe web site. (As an example of a hyperlink, you can click on the last word of the previous sentence to be taken directly to the Adobe site.)

When reading this and other manuals on the computer screen, you can zoom in to see more detail in the images or zoom out to see more of the page at once. If an included picture of the user interface, or a diagram, seems fuzzy or illegible, then zoom in using one of several means provided in the Acrobat Reader software.

The Master Navigation Document

Because the EastWest PLAY System is a collection of components, each with its own User's Manual, a Master Navigation Document (MND) is provided to allow users to jump quickly between these PDFs when being read on the computer screen. This MND is a one-page file with hyperlinks to the PLAY System documentation and to all the library manuals. Hyperlinks to this Master Navigation Document are found on the title page of each chapter in each document. From there, you can open any other document in the collection.

For example, if you're reading something in this documentation for the Quantum Leap Pianos library, and need to open the manual for the PLAY System as well, go to any chapter title page and click on the link that says, "Click on this text to open the Master Navigation Document." It will open in a new window on the screen. In that document, click on the icon for the PLAY System and its manual will open in the same window (hiding the MND). You now have both the QLP library manual and the PLAY System manual open in separate windows so you can refer to them both.

Online Documentation and Other Resources

For the most up to date information, visit the support pages at EastWest's web site. There you can find:

- information made available after these manuals were written
- FAQ pages that may already list answers to questions you have
- suggestions from EastWest and other users of the EastWest PLAY System
- news about upcoming releases

The address is:

<http://support.soundsonline.com>

You can also visit the EastWest online forums. There you can read comments and questions from others who use EastWest products and post your own. The many forum participants are a good source of helpful information about both the technical and musical aspects of this software.

The address of the forums is:

<http://www.soundsonline-forums.com>



PLAY

2. EastWest/Quantum Leap Pianos, An Overview

- 10 The Design Point for the EastWest/Quantum Leap Pianos Library**
- 12 What's Included**
- 12 Notes from the Producers**
- 14 Hardware Requirements**

**Click on this text to open the
Master Navigation Document**

EastWest/Quantum Leap Pianos, An Overview

The original EastWest/Quantum Leap Pianos was produced by Doug Rogers and Nick Phoenix, the same production team that produced the multi-award winning EastWest/Quantum Leap Symphonic Orchestra and EastWest/Quantum Leap Symphonic Choirs. Individually, these producers have also produced all of the Quantum Leap and most of the EastWest sample libraries and virtual instruments.

This is the manual for the Silver Edition, which allows users to buy a license for one of the four pianos at a time, and with content that can run on a more modest computer than what was required for the original product. This chapter describes the complete 4-piano product, including several features not available in the Silver Edition:

- 3 mic positions
- 24-bit samples
- some of the patches and articulations

See Chapter 4, starting on page 22, for details about the specific Silver Edition library whose license you own.

The Design Point for the EastWest/Quantum Leap Pianos Library

The goal of the originally released library was to create virtual pianos that more closely resembled real pianos than the virtual pianos that are currently available. The finished product was matched against the real pianos that were sampled extensively. The producers were able to do this because they own all of the pianos that were sampled. The 3 mic positions were recorded (close mics, player position mics and room mics), similar to EastWest/Quantum Leap Symphonic Orchestra and EastWest/Quantum Leap Symphonic Choirs. The four pianos were also sampled with unprecedented dynamic range, release trails, and the following six articulations:

- **sustain**, with and without the sustain pedal
- **soft pedal**, with and without the sustain pedal
- **repetition**, with and without the sustain pedal

The custom designed PLAY-powered interface includes a mixer to control the mics, the lid position, the articulations, concert hall impulse reverb, and many other aspects of the pianos. The signal chain used to record the pianos is a combination of classic warm tube equipment (mics), classic analogue solid state circuitry (console), and modern pristine digital equipment (converters). The close mics were AKG C12A's, the player position mics were Neumann U67's, and the room mics were Neumann M50's. A custom Neve 8078 console was used with Meitner converters. Three of the pianos (Bechstein, Bösendorfer and Steinway) were recorded in EASTWEST studio 1 (formerly United/Western

EASTWEST/QUANTUM LEAP PIANOS VIRTUAL INSTRUMENT

Studio 1, see the history online, or in the main PLAY System manual). This studio is large enough to record an orchestra (see picture below), and is famous for its acoustics which are very similar to a Hollywood soundstage or orchestral stage. This type of sound works better with digital or convolution reverb than dry samples. The EastWest/Quantum Leap Pianos Virtual Instrument includes impulses of the concert hall where EastWest/Quantum Leap Symphonic Orchestra was recorded. This convolution reverb, paired with these pianos, is pure magic. It also makes the pianos very compatible with EWQLSO. The fourth piano (Yamaha C7) was recorded in EastWest's famous "rock" studio 2.



A Personal Note from Producer Nick Phoenix

I play piano in a very improvisational, romantic style. I'm one of those players that sounds decent playing on a real piano, but my playing really suffers on a digital piano. I used to attribute this to the quality of weighted controllers, but now I believe it has more to do with the lack of dynamics and the close mic'ed (*i.e.*, plunky) synthetic sound quality of many piano samples. Producer Doug Rogers and I had discussed the possibility of sampling pianos after I purchased a Bösendorfer 290, as neither of us were satisfied with the currently available products. It wasn't until he purchased EastWest Studios, though, that everything came into focus. We knew from the outset that to capture what we had in mind would be a giant project (typical of our other productions), and the only way to do it properly was to keep the project in house using the best pianos. Between us, we had the pianos, all hand-picked from a showroom full of similar models; the right equipment; the perfect recording environment; and a fresh perspective.

All four of these piano models have been sampled before, some of them dozens of times; however, none of these efforts sound anything like what we have done in EastWest/Quan-

EASTWEST/QUANTUM LEAP PIANOS VIRTUAL INSTRUMENT

tum Leap Pianos. The downside to this level of detail is that the collection is 270 gigabytes (for all four pianos), making this the largest EastWest/Quantum Leap project to date, involving 18 months of development. Fortunately, the software allows you to install each piano individually and with only the selected mic positions. This means you can fit the player position of the Steinway D, for example, into 20 gigabytes on your hard drive. You will probably, though, want all these pianos available on your system. They are a little slice of heaven, each useful for a different style of production.

What's Included

This EastWest/Quantum Leap Pianos (Silver Edition) library you purchased includes all the following:

- a complete set of sample-based instruments, enumerated later in this manual
- a collection of 16-bit, 44.1 kHz samples with approximately the following size, depending on which piano(s) you install
 - › 6.3 GB for the Bechstein 280
 - › 8.2 GB for the Bösendorfer 290
 - › 7.2 GB for the Steinway D
 - › 4.8 GB for the Yamaha C7
- the EastWest PLAY Advanced Sample Engine
- the unique authorization code that identifies the license you bought
- manuals in Adobe Acrobat format for both the EastWest PLAY System and the Quantum Leap Pianos Virtual Instrument
- an installation program to set up the library, software, and documentation on your computer
- an Authorization Wizard for registering your license in an online database

One required item *not* usually included is an iLok security key. If you already have one from an earlier purchase of software, you can use it. Otherwise, you need to acquire one. They are available from many retailers that sell EastWest and Quantum Leap products, or you can buy one online at www.soundsonline.com.

Notes from the Producers

The following text describes some of the unique features available in this library.

About Repetitions

The repetition samples in EastWest/Quantum Leap Pianos are a unique feature. On a real piano, when a note is struck more than once in rapid succession, the second strike and the third, and so on sound very different from the initial strike. This is due to the fact that the hammer mechanism has not returned to its resting position, so it strikes the string from a different starting point. Also, the string is already vibrating when hit. EastWest/Quantum Leap Pianos captures and recreates this behavior with true repetition samples extracted from repetition performances.

About Soft Pedal

EastWest/Quantum Leap Pianos has true soft pedal samples. Depending on the piano, they will give you an alternate tone and should be used for very soft, subtle passages. The Bechstein and Bösendorfer soft pedal have a very muted tone. The Steinway and Yamaha soft pedal is much less muted, but is a nice alternate tone. Soft pedal in a real piano functions by shifting the piano action slightly so the hammers strike only one or two of the three strings for each note; that effect is captured in these samples.

About Dynamics

EastWest/Quantum Leap Pianos uses up to 18 dynamic layers on the Bösendorfer, up to 14 on the Steinway and Bechstein, and up to 12 on the Yamaha. This is for each articulation! This is one of the reasons this collection uses so many gigabytes worth of samples. The keyboard extremities, repetitions, and the soft pedal use fewer dynamic layers than the sustain or the sustain with pedal samples.

About Compatibility

The four large concert grand pianos in EastWest/Quantum Leap Pianos are all laid out and programmed in the same way; therefore, replacing one piano sound with another is easy.

About the Sensitivity Control

The sensitivity control in EastWest/Quantum Leap Pianos allows you to tailor the playback of these pianos to match your keyboard controller. If the pianos don't feel just right at the default setting, experiment with this control until you are happy.

About the Swap Button

Swap allows you to reverse the left and right channels, so the high notes will come more from the left (audience position) instead of the right (players position).

Hardware Requirements

See the Play System manual for a complete list of the Hardware and Software Requirements for installing and running any PLAY System library.

The requirements for the hard drive depend on which piano or pianos you install. Here are approximate individual sizes for each piano:

- 6.3 GB for the Bechstein 280
- 8.2 GB for the Bösendorfer 290
- 7.2 GB for the Steinway D
- 4.8 GB for the Yamaha C7



PLAY

3. The EastWest/Quantum Leap Pianos User Interface

- 17 Lid Position Control**
- 17 Microphone Controls**
- 17 Stereo Spread Controls**
- 18 The Graphical Representation of the Envelope**
- 18 Sensitivity Control**
- 19 Articulations Control**
- 19 The Browser View**
- 19 MIDI Control Codes in Quantum Leap Pianos**
- 19 Sustain Pedal**
- 20 Soft Pedal, or “Una Corda Pedal”**

[Click on this text to open the Master Navigation Document](#)

The EastWest/Quantum Leap Pianos User Interface

Each library presents its own interface when one of its instruments is the current one, as specified in the Instruments drop-down in the upper right corner. The image at the bottom of the page provides an overview of the entire window when in Player View.

Much of this interface is shared by all PLAY System libraries, and the common features are described in the PLAY System manual. The 6 controls described here are:

- Lid Position
- Microphone Position
- Stereo Spread

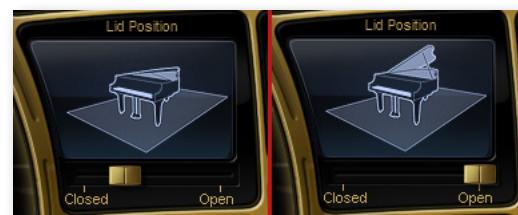


EASTWEST/QUANTUM LEAP PIANOS VIRTUAL INSTRUMENT

- The Graphical Representation of the Envelope
- Sensitivity
- Articulations

Lid Position Control

This control allows the user to simulate the effect of changing how far the piano's lid is opened. When all the way open, the control plays the samples without modification. Moving the slider to the left, toward the "Closed" position, dampens the samples in a way that sounds as if the lid is more and more closed.



Note that this is a continuous control, so feel free to modify the sound from all the way open to all the way closed including any position in between to achieve the sound required. The images above show the control about 80% closed (on the left) and also all the way open (on the right).

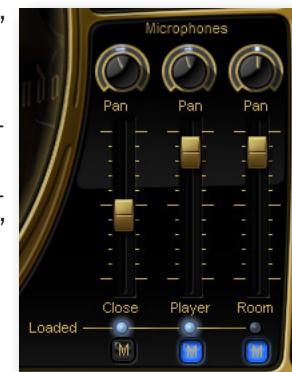
Microphone Controls

In the original, full version of QL Pianos, the samples for each instrument were recorded from three separate positions relative to the body of the piano:

- near the strings, called "Close"
- from the player's perspective, called "Player"
- at a distance from the piano, called "Room"

The Silver Edition, though, has only one mic position, the "Player" perspective.

The user interface still shows the controls for all three mic positions, as in the image at the right, but only the controls in the middle, the ones marked "Player" near the bottom, are functional. If you click on any control associated with either the "Close" or "Room" mics, a message box appears saying that this Silver Edition library includes only the "Player" position.



Note that with only a single mic position loaded, the controls in this part of the interface duplicate the functionality of the Pan, Level, and Mute control in the Master output section immediately to the right. If you use both sets, for example, the "Player" Pan control and the Master Pan control, it is the settings from both knobs together that specify the final pan position. It is probably more straightforward to use only the Master controls and ignore the controls for the mic positions.

Stereo Spread Controls

The Stereo Spread controls include a knob and a Swap button. The knob specifies how spread out the two stereo channels should sound. At the minimum setting, the output

EASTWEST/QUANTUM LEAP PIANOS VIRTUAL INSTRUMENT

reflects the stereo sound as it was originally recorded. Turning the knob to the right expands the stereo soundscape for a wider feel.



The Swap button, shown On in the image here, exchanges the left and right signal. This can be used to, in effect, turn the piano around; for example, the location of the Player mic will sound more as if you're listening from the other end of the piano, because the strings to the left and right are reversed. This swap is performed on the final signal after all mixing of mic positions and articulations has taken place.

The Graphical Representation of the Envelope

The Envelope Controls are described in the main PLAY System manual because they are common to all PLAY System libraries. Only some libraries include the graph, as shown here, so it is included in the manuals for those libraries only.

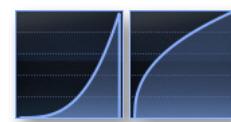
Note that the total width of the graph represents the total length of all phases of the envelope. Therefore, when you change something in one part of the graph, for example, the decay, you may see the slopes of other components, the attack and the release, change as well because those phases become a larger or smaller percent of the whole; this is as expected.



Sensitivity Control

Not all MIDI keyboards generate the same MIDI velocity parameter from the same force on the keys. A musician playing with identical touch on two keyboards may find that one plays louder than the other. The Sensitivity Control allows the user to adjust the dynamics of the audio output in the PLAY interface instead of having to change the style of keyboard playing.

Change the curve by clicking in the graph with the mouse and dragging up or down. If you drag down, you will see the curve become more like the one at the left. Or drag up to see the curve become more like the one at the right.



When the graph is in the default position, a straight line, whatever velocity parameter the keyboard generates is passed directly to the PLAY engine unchanged. When the graph is pulled downward, like the picture on the left, mid-range velocities are reduced, resulting in the sound of the piano being played softer. At the same time, the bottom half of the range of velocities is compressed so that a fixed change in how hard the keys are hit causes a more subtle difference in the output at the lower velocities, and an exaggerated difference at the higher velocities. When the graph is pulled upward, the opposite occurs: mid-range velocities get louder, the bottom half of the range yields more exaggerated differences and the top half more subtle differences.

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When Play is used as a plug-in in a sequencer, you can use the Sensitivity Control to affect the sound of a performance captured in MIDI data. For example, if a piano is standing out too much during mix-down, pull down on the sensitivity curve not only to make the playing softer, but also to create subtlety by using more of the soft velocity layers in the instrument.

Because changing velocity affects not only the loudness of the audio output but also the timbre of the notes, adjusting the sensitivity often achieves a more realistic soft—or loud—playing style than merely turning down—or up—the volume on the track.

Articulations Control

The list of articulations in Quantum Leap Pianos looks a little different than in many other virtual instruments in the PLAY system, but it functions the same way. All the articulations for the currently displayed piano are listed. If more than four are available, a scroll bar allows you to move through the list. With the checkboxes you can load and unload samples and also make articulations active. (The PLAY engine will not play samples from inactive articulations, but will select a different articulation instead.) The Level knobs allow you to adjust the relative volumes of the several articulations.



Note that this virtual instrument does not employ keyswitches to change between articulations. The selection of which set of samples to play is controlled by logic within the PLAY engine plus MIDI control codes for the sustain pedal, the soft pedal, and the Mod Wheel. See the relevant section at the end of this chapter for more information about how PLAY selects articulations.

The Browser View

The Browser behaves identically among all PLAY System libraries. Read the main PLAY System manual for information about how to use that view.

MIDI Control Codes in Quantum Leap Pianos

This library uses special behavior for MIDI control codes that may apply only to pianos, such as those that mimic the sustain pedal and soft pedal on a physical piano.

Sustain Pedal

MIDI Control Code 64 can be used to create the same effect as the sustain pedal (right-most pedal) on a piano. CC64 is an on/off code. To turn the pedal “on,” PLAY must receive a value of 127 (the maximum value); every other value is interpreted as “off.”

Note that because there are separate samples for the “sustain pedal” sounds, the audible effect is more than just delaying the MIDI note-off events. When the dampers of a piano are lifted, the strings of the played notes’ harmonics also vibrate, giving a fuller sound. For example, if C3 is played with the dampers up, the strings for C4, G4, C5, E5, G5, and so on all vibrate, though less than the main note (C3). This effect was captured

EASTWEST/QUANTUM LEAP PIANOS VIRTUAL INSTRUMENT

in the “sustain pedal” samples. This approach gives the Quantum Leap Pianos a more realistic audio output.

Soft Pedal, or “Una Corda Pedal”

MIDI Control Code 67 can be used to create the same effect as the soft pedal (left-most pedal) on a piano. CC67 is an on/off code. To turn the pedal “on,” PLAY must receive a value of 127 (the maximum value); every other value is interpreted as “off.”

The soft pedal samples were recorded with a real soft pedal engaged; therefore, the sound is the traditional timbre of the piano’s hammers hitting only one string, not merely a volume reduction that is digitally generated.

Note that the soft pedal samples are not included in all instruments. Check the table in Chapter 4 to see which instruments include the soft pedal. Sending an “on” value for CC67 with an instrument that has no soft pedal samples loaded has no effect.



PLAY

4. Instruments and Articulations

- 22 The EastWest/Quantum Leap Pianos**
- 22 Bechstein 280**
- 23 Bösendorfer 290**
- 23 Steinway D**
- 24 Yamaha C7**
- 24 A Table of the Instruments**
- 25 Abbreviations Used in Instrument Names**

[Click on this text to open the Master Navigation Document](#)

Instruments and Articulations

The EastWest/Quantum Leap Pianos

This chapter provides specific information about each of the pianos sampled for East-West/Quantum Leap Pianos. Each piano is described briefly and then its instruments are listed together with their articulations.

With the original library, all 4 pianos were included. The Silver Edition allows users to purchase a license for one piano at a time. This chapter describes all 4 pianos, so be sure to focus on the piano or pianos whose license(s) you own. You may, in addition, want to see what's available with the other libraries for when your needs change.

For the original library, the four sampled pianos each contain two types of instruments: Full and Lite. The Lite patches use less memory than the Full patches; they achieve their smaller size in RAM by not being chromatically sampled. That is, while the Full patches load into memory samples for all 88 notes on the keyboard, the Lite patches load only every third note; the sounds of the remaining notes are achieved by “stretching” the closest sampled note up or down a semitone. Because the difference in timbre between two notes a half step apart is small, this approach has very little effect on the audio output. The Silver Edition, designed to use less of a computer’s resources, and designed small to be downloadable over the Internet, provides only the Lite patches.

Each of the instruments is available in two varieties. The standard instruments (those without “DYN” in the name) use a straight mapping between MIDI velocity and loudness. Those instruments with “DYN” in the name have their upper velocities pushed even a little higher than standard. This modification makes the “DYN” instruments better suited to keyboards with weighted keys, allowing for better control over the dynamics.

Bechstein 280

The Bechstein 280 is a modern 9-foot, German concert grand piano, built in 2006. This is a very precise, technical piano that creates a fantastic classical sound, particularly for more demanding works. It can also produce a really unique, big, pop/rock piano sound. A similar Bechstein has been used by Supertramp and many others.

Producer Doug Rogers purchased the Bechstein in 2006, and this is the EastWest Studio 1 concert grand.

Lite Patches

bech master lite: This patch includes all the available articulations: sustain, sustain with pedal, repetitions, repetitions with pedal, soft pedal sustain, soft pedal sustain with pedal, and release trails.

bech sus lite: A patch that includes sustain, sustain with pedal, and release trails.

bech sus rep lite: A patch that includes sustain, sustain with pedal, repetitions, repetitions with pedal, and release trails.

Bösendorfer 290

A 9 foot and 6 inch Grand Imperial Concert Grand piano made in Austria in 2000. This particular piano was played by a Russian concert pianist for 4 years giving it a very warm tone with a huge dynamic range. It stuck out in a room full of world class pianos. It is a very romantic piano and sounds more like a Steinway than a factory tuned Bösendorfer. Producer Nick Phoenix bought the Bösendorfer in 2006, and the sound of this piano coupled with the purchase of EastWest Studios sparked the idea to create this virtual instrument collection. Note that even though only the standard 88 piano notes are included in the Silver library, this is a 98-key piano; the resonance of those extra strings provides an extra rich bass sound.

Lite Patches

bosi master lite: A Master patch including sustain, sustain with pedal, repetitions, repetitions with pedal, soft pedal sustain, soft pedal sustain with pedal, and release trails.

bosi sus lite: This patch including sustain, sustain with pedal, and release trails.

bosi sus rep lite: A patch that includes sustain, sustain with pedal, repetitions, repetitions with pedal, and release trails.

Steinway D

A 9-foot, American Concert Grand. We went through 12 Steinway D's before finding this gem. This is probably the most balanced universal piano in the collection. The dynamic range is huge, from a whisper to thunder.

Lite Patches

stwy master lite: A patch that includes sustain, sustain with pedal, repetitions, repetitions with pedal, soft pedal sustain, soft pedal sustain with pedal, and release trails.

stwy sus lite: This patch includes sustain, sustain with pedal, and release trails.

stwy sus rep lite: This patch includes sustain, sustain with pedal, repetitions, repetitions with pedal, and release trails.

Yamaha C7

This instrument is the pop/rock piano from EastWest Studio 2. This particular C7 has been used on more Gold and Platinum records than any other piano in existence. It is a great bright piano, but attention was also paid to the soft dynamics, which really separates this effort.

The Yamaha patches do not include release trails.

Lite Patches

yama master lite: A patch that includes sustain, sustain with pedal, repetitions, repetitions with pedal, soft pedal sustain, and soft pedal sustain with pedal.

yama sus lite: This patch includes sustain and sustain with pedal.

yama sus rep lite: This patch includes sustain, sustain with pedal, repetitions and repetitions with pedal.

A Table of the Instruments

The following table summarizes in a compact format the information listed above. The columns specify: The 7 articulation of sustain (default), sustain with pedal, repetitions, repetitions with pedal, soft pedal, soft pedal with pedal; and the last column shows that the Yamaha piano does not include release trails.

Name	sus	sus +pdl	rep	rep +pdl	soft	soft +pdl	rels trails
bech master lite	●	●	●	●	●	●	●
bech sus rep lite	●	●	●	●			●
bech sus lite	●	●					●
bosi master lite	●	●	●	●	●	●	●
bosi sus rep lite	●	●	●	●			●
bosi sus lite	●	●					●
stwy master lite	●	●	●	●	●	●	●
stwy sus rep lite	●	●	●	●			●
stwy sus lite	●	●					●
yama master lite	●	●	●	●	●	●	
yama sus rep lite	●	●	●	●			
yama sus lite	●	●					

Abbreviations Used in Instrument Names

The names of instruments are often shortened to fit in the browser list. The following table provides a way to look up any unfamiliar abbreviations (from the Browser view or from the table above) until you become familiar with the shortcuts.

ABBREVIATIONS IN INSTRUMENT NAMES	
Abbreviations	Full Words
bech	Bechstein 280
bosi	Bösendorfer 290
lite	light-memory (smaller use of RAM)
pdl	pedal (more specifically, the “sustain pedal”)
rpt	repetitions
soft	soft pedal, a.k.a. the “una corda pedal”
stwy	Steinway D
sus	sustained (<i>i.e.</i> , not staccato)
yama	Yamaha C7

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