

Quantum Leap Voices of Passion Virtual Instrument

Users' Manual

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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: Nick Phoenix

Born in London, England, in 1967, 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. “Spiderman 3.” “Pirates of the Caribbean 3,” “Fantastic Four, Silver Surfer,” “300,” “Sunshine,” “The Last Mimzy,” “Hannibal Rising,” “Blood Diamond,” “Night at the Museum,” “Superman Returns,” “Astronaut Farmer,” “Rush Hour 3,” “Eragon,” and “The Da Vinci Code” are a few recent examples. Nick has also scored numerous TV shows for NBC, CBS, Showtime, Fox Family, and the History Channel.



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 most critically acclaimed producer of high-end sample libraries and virtual instruments. Nick’s studio is located in Venice, California, and is 100% solar powered.

Quantum Leap titles to date:

- QL Guitar and Bass
- QL Brass
- QL 56 Strat
- QL Voices of the Apocalypse
- QL Rare Instruments
- QL Hardcore Bass
- QL Stormdrum
- EWQL Symphonic Orchestra
- EWQL Symphonic Orchestra XP
- EWQL Symphonic Choirs
- QL Ra
- QL Colossus
- QL Gypsy
- QL Ministry of Rock
- QL Voices of Passion
- QL Stormdrum 2
- EWQL Pianos

Credits

Producer

Nick Phoenix

Executive Producer

Doug Rogers

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Nick Phoenix, Rhys Moody

Programming

Nick Phoenix, Pierre Martin

Editing

Pierre Martin, Nick Phoenix

Art Direction

Steven Gilmore, Doug Rogers, Nick Phoenix

Software

Sam Fischmann, Klaus Voltmer, Patrick Stinson, Stefan Kersten, Klaus Lebkücher, Toine Diepstraten, Stefan Podell, Albert Ortega, Doug Rogers, Nick Phoenix, Rhys Moody, Stefan Leiste

Manual

John Philpit

Special Thanks to

Shaun Ellwood, Gary Meyerberg

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. This, the largest of the manuals, 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 Voices of Passion 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 Voices of Passion 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



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Quantum Leap Voices of Passion, An Overview

The Design Point For the Voices of Passion Library

The Quantum Leap Voices of Passion virtual instrument was designed to capture the soul of the artist through recording of 5 female vocalists from around the world:

- America
- Bulgaria
- India
- Syria
- Wales

Ethereal, passionate, flowing, mysterious, wailing and whispering vocals—both sopranos and altos—suitable for film, TV, and game composers, as well as songwriters, New Age artists and Zen horticulturists. These 5 stunning female artists are recorded singing words, vowels, morphing vowels, effects, phrases, calls, whispers and breath noises. This is the first virtual instrument or sample library created specifically for use in the film, TV, game genre, as well as the first created specifically for use in ambient or New Age music.

Voices of Passion is the first virtual instrument to feature true legato intervals. The Middle Eastern and Indian phrases are presented as a construction kit, allowing users to create very long consistent performances. The Mod Wheel controls entry points on ethnic phrases, allowing the user to start—or restart—a phrase in the middle and achieve greater flexibility.

What's Included

This Quantum Leap Voices of Passion library you purchased includes all the following:

- a complete set of sample-based instruments, enumerated later in this manual
- approximately 8 Gigabytes of 24-bit, 44.1 kHz samples
- 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 Voices of Passion 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 from www.soundsonline.com.

Notes from the Producer

Voices of passion utilizes automatic legato detection and scripts. Play the notes connected and you hear realistic connections even on patches without true legato. In the Wales Words patch, play connected and you do not hear the consonants at the beginning of the word.

All vocalists were recorded in stereo with a Telefunken ELAM 251 on one side and an RCA 44 ribbon on the other. It sounds great in stereo, and don't worry about imaging problems; there are none. Or you can use the Channel Source and Stereo Double controls to select one mic and create a stereo sound.

Some Voices of Passion patches load up with the Convolution Reverb enabled. You are encouraged to experiment with the fantastic Reverb and Chorus in the PLAY Engine to create your own effects.

Note: The high-quality Convolution Reverb in the EastWest PLAY Engine, as mentioned above, uses lots of CPU power. If your computer has the minimum system specs, turning off the reverb controls after loading a patch may significantly improve performance.

The Mod Wheel controls the volume, filter, and reverb simultaneously.

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. In addition, the available space on the hard drive required for a full installation of Voices of Passion is approximately 8 GB (Gigabytes).



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The Voices of Passion 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 controls described here are:

- Round Robin Reset
- Stereo Double
- Filter
- ADT
- the graphical representation of the Envelope



Round Robin Reset Button

A round robin articulation is one in which several different samples are recorded with all parameters, such as volume, speed of attack, and so on, being essentially constant. The PLAY Engine then knows to alternate between the two or more samples during playback. The goal is to avoid what's often called the "machine gun effect," in which playing the same sampled note repeatedly causes the unnatural sound of consecutive notes being mechanically identical.



There's one potential problem with round robin technology, and one way to solve it is the Round Robin Reset button. The PLAY Engine remembers which sample should be played the next time the note sounds. If, for example, a round-robin patch contains two samples, A and B, and a piece uses that note 7 times, the PLAY Engine plays A B A B A B A. If the piece is played again from the beginning, the engine will play starting with B, because that's next in order. The second rendition will be subtly different. Being able to reset all round-robin articulations to the beginning of the cycle allows for consistent playback.

You can use this button to reset all round robin articulations on demand. Or use your choice of a MIDI note or MIDI control code to reset them one instrument at a time from a MIDI keyboard or the data stored in a sequencer project. See the description of the Settings dialog for more information about this articulation-specific approach.

Stereo Double Controls



This knob, with its three buttons, gives the user the option of using exclusively the left stereo signal or right when "Stereo" is selected from the Channel Source drop-down. For any other setting, this control has no effect.

In Voices of Passion, the vocalists were recorded through different mics into the left and right channels. You can play them back in stereo and it sounds wonderful that way, with no phasing or imaging problems. Or you can play back a single channel to get the specific sound of that mic; the Stereo Double control can be used to turn the mono signal into a stereo sound.

The knob lets the user determine the spread of the signals, how far apart the ear perceives the stereo channels to be. A value of 0% brings the two channels together at the center (unless the Pan knob positions the output differently), and is the equivalent of turning off the controls with the button below the knob. A value of 100% call for the maximum spread available. Select between the left and right signal with the buttons on either side of the knob.

Filter Controls

The Filter controls take the sound of the instrument, and modify it by filtering out some of the sound above a certain frequency. This type of effect is commonly called a Low Pass Filter.



The Frequency knob determines where the sound starts to be filtered out. The Resonance knob specifies how much the filter "rings" at the dialed frequency. The higher the resonance knob is set, the more focused this ringing becomes.

The graph gives you visual cues about the frequency distribution you are creating with the settings you select.

ADT Controls



Artificial Double Tracking is a technique, invented at Abbey Road when the Beatles were recording there, that approximates the effect of double tracking (recording two nearly identical takes of a vocalist or instrument on the same part and laying one on top of the other) without actually taking the time to record two takes. And some would say ADT improves on actual double tracking even beyond the savings in time. The original ADT process was based on magnetic tape; in the PLAY Engine, the effect is created digitally. The software programmers, however, added a tape simulator to mimic the slight speed variations of the two analog tape machines that created the ADT effect.

The **Delay** knob specifies in milliseconds, the delay between the original signal and the secondary signal. A delay of around 40 ms is typical, so is often a good starting point when crafting a specific effect.

The **Depth** knob specifies the amount by which that delay is modulated. You don't want an exactly consistent delay; the delay of the secondary signal will vary forward and backward in time by this much.

The **Speed** knob varies the speed at which that delay is modulated.

The **Level** knob specifies the relative loudness of the secondary signal. Set it to 0.0 dB to hear the effect at its strongest, with the same level on both signals; higher or lower gives preference to one of the signals. The overall effect depends on their combination.

The **On/Off** button allows you to kill the ADT effect instantly and then reinstate it with the same settings, as needed.

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.

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.



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Instruments, Articulations, Keyswitches

This chapter provides specific information about each of the instruments in the Voices of Passion library. First is a section that briefly describes them in case some are unfamiliar to you. This is followed by a table that lists for each instrument the available articulations together with the keyswitch note that initiates each one. You might want to print out the pages containing this table as a reference.

Descriptions of the Voices of Passion Instruments

This is a list of all the instruments in the Voices of Passion library. Each item includes a brief description of the physical instrument and some information about the sounds it can make. See the table later in this manual for specifics about what articulations are available.

America

This artist has a wide range so you will find tones that are very Enyaesque and tones that are somewhat like Lisa Gerard.

America Master: A giant keyswitch that gives you access to all the articulations except the true legato intervals. Once the patch is loaded, look at the Articulations list in the bottom right of the Player View for details. All articulations are playable; there are no riffs or melodies.

America Oo Leg Port: Legato intervals oo, medium speed.

America Oo Legato: Legato intervals oo, fast speed.

America Oo Portamento: Legato intervals oo, slow speed.

Bulgaria

This artist also has a wide range of tones that vary from very ethnic sounding to very Western sounding.

Bulgaria Master: A giant keyswitch that gives you access to all the articulations. Once the patch is loaded, look at the Articulations list in the bottom right of the Player View for details. All articulations are playable; there are no riffs or melodies. Even the phrase-based articulations stay in the same key, so they are playable as well.

Breath and **Breath Deeper:** Various breath sounds in two collections.

India

This is a South Indian artist singing phrases, raga style. The Mod Wheel allows a later entry point into the phrase to give you greater flexibility.

India Master: A giant keyswitch where the keyswitch played with the left hand determines the key in which all phrases are sung. Check the Articulations list (or the table later in this chapter) for the available keys, as only some keys are.

Syria

A Middle Eastern artist sings phrases in every key. The Mod Wheel allows a later entry point into the phrase to give you greater flexibility.

Syria Master: A giant keyswitch where the keyswitch played with the left hand determines the key in which all phrases are sung. Every key is available.

Wales

A Celtic artist sings in a very beautiful Celtic shoegazer style.

Wales Leg Port ah: Legato intervals ah, medium speed.

Wales Leg Port oh: Legato intervals oh, medium speed.

Wales Legato ah: Legato intervals ah, fast speed.

Wales Legato oh: Legato intervals oh, fast speed.

Wales Portamento ah: Legato intervals ah, slow speed.

Wales Portamento oh: Legato intervals oh, slow speed.

Wales ah DXF: The single syllable “ah.” The Mod Wheel (CC1) is used to to cross-fade between sample of different loudness and timbres.

Wales oh DXF: The single syllable “oh.” The Mod Wheel (CC1) is used to to cross-fade between sample of different loudness and timbres.

Wales Vowels Master: A basic vowel keyswitch.

Wales Vowels Elements: the same as Wales Vowels Master, but without the keyswitch.

Wales Words Master: A giant keyswitch that allows access to 44 words or syllables and 44 legato variations of these. Generate and play your own phrases. See the Articulations list for details.

Wales Words Elements: the same as Wales Words Master, but without the keyswitch.

Explaining the Instrument Sub-types

For some instruments in Voices of Passion, there may be two or more .ewi files listed in the Browser View. Examples are America Master.ewi and America Elements.ewi both listed under America. Here is an explanation of what the various sub-types in the instrument name mean.

Master includes a keyswitch containing all articulations. Once a Master patch is loaded, all articulations as well as the keyswitch notes that trigger them can be found in the Articulations control near the bottom-right hand corner of the Player View. Articulations can be freely loaded or unloaded as needed.

Elements is the same as Master except that only the default articulation, usually the one at the top of the list, is loaded and active when first opened. You can load and activate different articulations as needed. There is no keyswitch, which means it's not easy to switch to a different articulation in the middle of a performance. Instead, use an Elements patch when you need only a single articulation—or a consistent layering of multiple articulations—during the entire performance.

Tables of the Instruments

The following table lists all the articulations available in each instrument (.ewi file). As is mentioned in the previous section on Instrument Sub-types, there may be more than one instrument file for some physical instruments.

Note that when an articulation is listed over a range, such as "C0-F#0," that means the samples are layered into every sample. The relative loudness of this layer to the main samples can be controlled with the volume sliders in the Articulations control. For example key clicks and other mechanical sounds naturally heard when the instrument is played can be raised or lowered in volume without adjusting the dynamics of the musical sounds.

AMERICA VOICE	
Keyswitch Notes	**Articulations**
America Master	
C0	Ah Non Vib
C#0	Ah Oo Vib
D0	Ah Vib
D#0	Ah Short
E0	Ah Spooky Play Clstrs
continued	

AMERICA VOICE

Keyswitch Notes	Articulations
F0	Ah Staccato
F#0	Ah Vib
G0	Doo
G#0	Dream
A0	Ee Vib
A#0	Ee Ah
B0	Hu Oh
C1	Mah
C#1	Mei
D1	Maom
D#1	Mm
E1	Muah
F1	Oh Nv
F#1	Oh Opera
G1	Oh Vib
G#1	Ohm
A1	Ohm Vib
A#1	Oo Nv Breathy
B1	Oo Nv
C2	Oo Vib
C#2	Rnb Ah
D2	Sigh
America Oo Leg Port	
(no keyswitch)	Legato
(no keyswitch)	Sus
America Oo Legato	
(no keyswitch)	Legato
(no keyswitch)	Sus
American Oo Portamento	
(no keyswitch)	Legato
(no keyswitch)	Sus

BULGARIA VOICE

Keyswitch Notes	Articulations
Bulgaria - Master	
C0	Bulgarian 1
C#0	Bulgarian 2
D0	Bulgarian 3
D#0	Bulgarian 4
E0	Hiaheya
F0	Melody
F#0	Melody 2
G0	Oho Calling
G#0	Oho Calling 2
A0	Sheep Call
A#0	Oo
B0	Oho
C1	So
C#1	Woho
D1	Ihehoh
D#1	Oho 2
E1	Aha
F1	Heya
F#1	Laha
Breath	
(no keyswitch)	the sound of the singer's breath
Breath Deeper	
(no keyswitch)	the sound of deeper breath

INDIA VOICE

Keyswitch Notes	Articulations
India - Master	
C#0	MOD Alt
Eb0	MOD Alt
E0	MOD Alt
F#0	MOD Alt
Ab0	MOD Alt
Bb0	MOD Alt
B0	MOD Alt
Ab1	MOD Alt
Bb1	MOD Alt
B1	MOD Alt

SYRIA VOICE

Keyswitch Notes	Articulations
Syria - Master	
C0 - B0	Phrases in Key of KS
	MOD Alt for Each KS

WALES VOICE

Keyswitch Notes	Articulations
Wales Leg Port Ah	
(no keyswitch)	Legato
(no keyswitch)	Sus
Wales Leg Port Oh	
(no keyswitch)	Legato Portamento
(no keyswitch)	Sus
Wales Legato Ah	
(no keyswitch)	Legato
(no keyswitch)	Sus

continued

WALES VOICE

Keyswitch Notes	Articulations
Wales Legato Oh	
(no keyswitch)	Legato Portamento
(no keyswitch)	Sus
Wales Portamento Ah	
(no keyswitch)	Legato
(no keyswitch)	Sus
Wales Portamento Oh	
(no keyswitch)	Legato Portamento
(no keyswitch)	Sus
Wales Ah DXF	
(no keyswitch)	Ah, with Dynamic Cross-Fade
Wales Oh DXF	
(no keyswitch)	Oh, with Dynamic Cross-Fade
Wales Vowels Master	
C0	Ah
C#0	Oh
D0	Ee
D#0	Oo
E0	Mm
Wales Words Master	
C0	Bene
C#0	Breathe
D0	Close
D#0	Dark
E0	Death
F0	Domine
F#0	Dream
G0	Drown
G#0	Im
A0	Fall
A#0	Fire
B0	Fly

continued

WALES VOICE

Keyswitch Notes	Articulations
C1	Gaia
C#1	Grass
D1	Hasan
D#1	Hate
E1	How
F1	In
F#1	Len
G1	Love
G#1	Luxet
A1	Ly
A#1	Mei
B1	Ness
C2	Of
C#2	Ooze
D2	Pray
D#2	Priest
E2	Row
F2	Ruins
F#2	Run
G2	San
G#2	Sing
A2	So
A#2	Soft
B2	This
C3	True
C#3	Uram
D3	Ventius
D#3	Ver
E3	Vosh
F3	Fortuna
F#3	From

continued

WALES VOICE	
Keyswitch Notes	**Articulations**
G3	Gravis
G#3	Is
A3	Rain
A#3	The

Abbreviations Used in Articulation Names

The names of articulations are often shortened to fit in the Articulations list in the Player View. The following table provides a way to look up any unfamiliar abbreviations until you become familiar with the shortcuts. You will find that there is a lot of overlap among the libraries, because most of these are standard musical terms.

ABBREVIATIONS IN ARTICULATION NAMES	
Abbreviations	**Full Words**
Dim	Diminished
Dn	Down
Leg	Legato
LH	Left hand
Maj	Major
Marc	Marcato
Min	Minor
MOD	Controlled by Mod Wheel
NV	Non-vibtaro
Perf	Perfect
Pizz	Pizzicato
Port	Portamento
RH	Right hand
RR	Round robin of 2 samples
RRx#	Round robin of # samples
Stac	Staccato
Sus	Sustain
Trem	Tremolo
Vib	Vibrato
VS	Vibrato switch (high velocity = vibrato)

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