UVI

USO1

Hybrid Wave Synthesizer

Soundbank Manual

Software Version 1.0

EN 180401

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Introduction

USQ-1

Digital-Analog Wave Synth

- Inspired by a cult-favorite '80s synthesizer workstation
- Explore 400 fully-editable presets or create your own
- Vintage hardware sounds with modern sound-shaping tools

INSPIRATION

The Ensoniq ESQ-1 is a special keyboard at UVI. Used by many on our team, including being a personal favorite of one of our founders, our USQ-1 had to be great. We've leveraged years of experience with this synth and put our hearts into creating a collection of sounds that we're proud of and that we're sure you'll enjoy.

Released in 1986, the Ensoniq ESQ-1 was one of the first affordably priced workstation-class keyboards on the market, combining an 8-voice, multitimbral digital/analog hybrid synthesizer and a featured 8-track sequencer. The ESQ-1's voice architecture allows customization of up to 3 digital oscillators, assignable to any one of 32 waveshapes, followed by a Curtis 4-pole 24dB/oct resonant low-pass analog filter and 15 routable modulation sources. The sound quality of the ESQ-1 is all-at-once digital, warm and unmistakably '80s - a true gem of the time whose sounds still ring with a brilliant depth and character.

INSTRUMENT

USQ-1 offers 268 selectable layers made from over 22,000 samples. To showcase the sonic potential we've included over 400 all-new patches including everything from rich bells, strings and leads to thick basses, textured pads and modulating atmospheres. The versatile design of the ESQ-1 allowed us to create both classic sounds that you'd expect from a vintage-era synth and also modern patches utilizing more contemporary sound design techniques. All-in-all these sounds ring with a special "vintage digital" vibe that synths of this era, and the ESQ-1 especially, do so well.

The sounds in USQ-1 are detailed and powerful. Every patch began with sound design on the original hardware and was recorded at our main studio through the highest-quality processors and converters available. You're not just hearing the output jacks of the synth, the entire signal chain was thoughtfully considered to create a rich and professional "finished record" sound that's both mix-ready and inspiring to play.

Included presets can easily be edited or you can build your own patches from scratch. Authentic sounds from the ESQ-1 are presented in a dual-layer architecture allowing for the design of two custom oscillators each with independent wave selection of 268 layers, ADSR amp, multi-mode filter with envelope, pitch, portamento, stereo, LFO, multi-step and modwheel modulation assignments and an arpeggiator. At the end of chain is a capable effect bus loaded with UVI's own processors, including a 3-band EQ, drive, chorus (Thorus), phaser, delay and reverb (Sparkverb) all with excellent sound-quality and a featherlight CPU footprint.

USQ-1 delivers that vintage digital magic that we fell in love with over 30 years ago: a bold and inspiring collection of sounds combining modern sound design technique with an unmistakable '80s flavor.

Minimum System Requirements

- Latest version of UVI Workstation or Falcon
- 6.72 GB of disk space

For more information on the installation process, please refer to the document: Soundbank Installation Guide

Main Page and Globals

USQ-1 is outfitted with 2 oscillators; Osc 1 and Osc 2. Both oscillators have independent selection of 268 OSC sounds, dedicated volume, pan, filters and envelope generators for amplitude and filter, and arpeggiators in the Arpeggiator page. Edit and Effects pages effect the summed signal of both oscillators while Modulation can be set to selectively target Osc 1 and/or 2.

1 Pages

» **Main, Edit, Modulation, Effects and Arpeggiators**
Click to change the current control page

2 Global Volume

3 Global Presets

4 Oscillators

» **OSC Power**
Turn OSC 1 and OSC 2 on/off

» **OSC Sounds**
Select the OSC sound

» **Volume**
Adjust the selected OSC layer's volume

» **Pan**
Adjust the selected OSC layer's pan

5 Edit Layer

Select Osc 1 or 2; presents discrete Signal, Amp Env, Filter and Filter Env controls

6 Amplitude

» **Amplitude: ADSR**
Adjust the amplitude using a typical Attack, Decay, Sustain, Release envelope

» **Amplitude: Velocity**
Toggle velocity on/off

» **Amplitude: Vel > Atk**
When active, routes Velocity input to Amp Env: Attack

7 Filter

» **Mode**
Select between LP, BP or HP filter shapes, or OFF to disable the filter

» **Cutoff**
Set the filter cutoff frequency

» **Resonance**
Set the filter resonance amount

» **Velocity**
Set the filter's velocity sensitivity

» **Depth**
Set the filter's depth amount

» **ADSR**
Typical ADSR envelope for the Filter

Edit Page

1 Edit Layer

Select Osc 1 or 2; presents discrete controls for Pitch/Portamento, Stereo and Modwheel

2 Stereo

» **Mode**
Off / Alternate Pan / Unison

» **Spread**
Change the stereo width

» **Detune**
Unison layer detune amount [Unison mode only]

» **Color**
Shifts color based on adjacent samples

3 Modwheel

» **Power/Amount**
Easily route your controllers Modwheel to control common parameters such as Vibrato Rate, Tremolo Rate and Filter Depth

4 Pitch

» **Octave**
Adjust the pitch in Octaves

» **Semitone**
Adjust the pitch in Semitones

5 Portamento

» **Mode**
Toggle between Mono and Poly voicing

» **Depth**
Adjust the Portamento depth

» **Time**
Set the Glide time

Modulation Page

1 Step Modulator

» **Steps**
Change the number of playable steps (1-16)

» **Editor**
Interactive editor for programming sequenced modulations; bar height equals mod amount

» **Speed**
Change the step duration (1/32 - 1/1)

» **Delay**
Delay time to activate first step

» **Rise**
Time to activate step with a smooth transition

» **Average**
Interpolates values between adjacent steps to smooth parameter modulation for a custom LFO effect

» **Step Modulator Routing**
Control the amounts of modulation to be applied to each or both Osc's Volume Amount, Filter Depth

2 LFO

» **Speed**
Change the LFO Speed

» **Sync**
Enable/Disable LFO sync to Host Tempo

» **Waveshape**
Choose LFO waveshape; Sine, Triangle, Square or Sample & Hold

» **LFO Routing**
Control the amount of LFO modulation to be applied to various parameters including; Pitch, Drive, Volume and Filter

» **Mode**
Change the LFO retrigger mode; Retrigger, No Retrigger or Legato

3 Modulation Targets

Set the target oscillator for the parameter modulation, Osc 1 and/or Osc 2

Effects Page

Equalizer

» **On/Off**
Turn the effect on/off

» **Gain Low / Mid / High**
Adjust the gain boost or cut amount of each frequency band

» **Frequency**
Set the crossover frequency point of Low/Mid or Mid/High band

Drive

» **On/Off**
Turn the effect on/off

» **Amount**
Adjust the drive amount

Thorus

» **On/Off**
Turn the effect on/off

» **Speed**
Adjust the chorus modulation speed

» **Depth**
Adjust the chorus modulation depth

Phasor

» **On/Off**
Turn the effect on/off

» **Speed**
Adjust the phaser modulation speed

» **Feedback**
Adjust the phaser feedback amount

» **Depth**
Adjust the phaser modulation depth

Delay

» **On/Off**
Turn the effect on/off

» **Time**
Adjust the delay time

» **Feedback**
Adjust the delay feedback amount

» **LoCut**
Adjust the delay output's low-cut filter frequency

» **HiCut**
Adjust the delay output's hi-cut filter frequency

» **Mix**
Adjust the delay effect mix amount

Sparkverb

» **On/Off**
Turn the effect on/off

» **Size**
Adjust the reverb room size

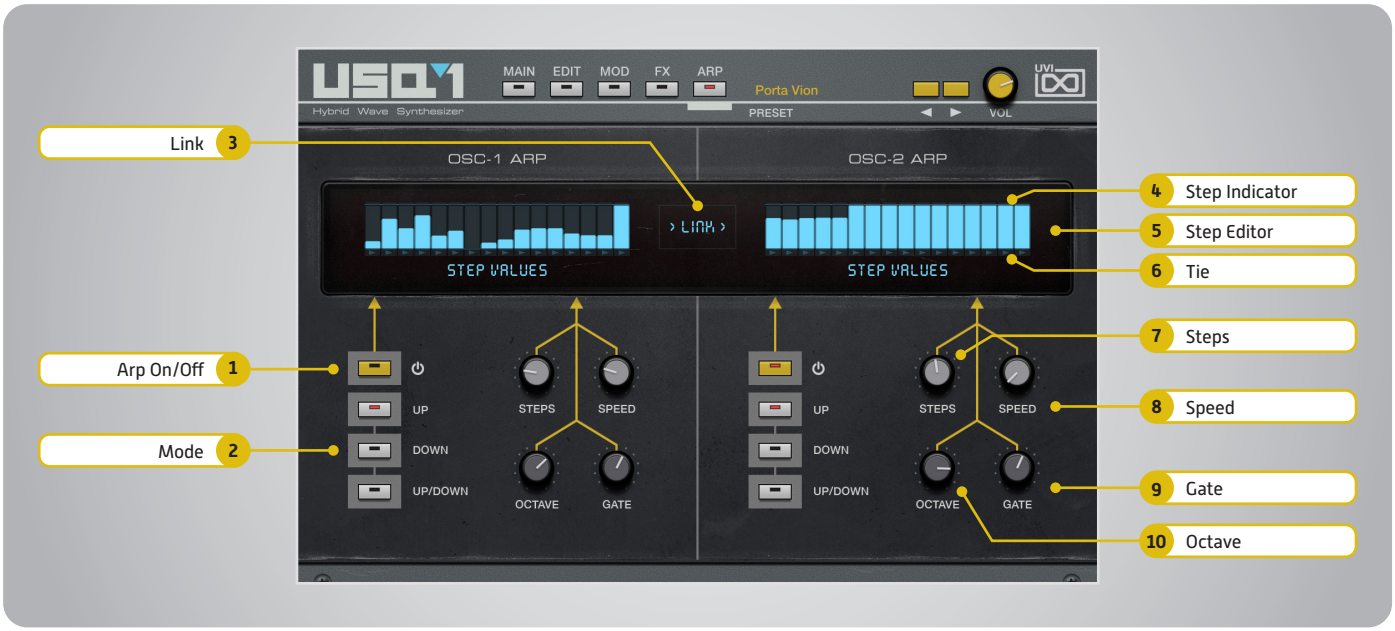
» **Decay**
Adjust the reverb decay time

» **Decay: LoMult**
Multiplies the decay time (-/+) for the low frequency signal

» **Decay: HiMult**
Multiplies the decay time (-/+) for the high frequency signal

» **Mix**
Adjust the reverb mix amount

Arpeggiators Page



1 Arp On/Off
Toggle the Arpeggiator On/Off

2 Mode
Select Up, Down, or Up and Down

3 Link
Switch to link two arpeggiators

4 Step Indicator
LED lights up when step is triggered

5 Step Editor
Freely draw note velocities

6 Tie
When active, step inherits Velocity from the previous step

7 Steps
Change the number of playable steps (1-16)

8 Speed
Change the step duration (1/32 - 1/1)

9 Gate
Change the step length (from zero to the tracks Resolution setting)

10 Octave
Set the pitch range in Octaves

Preset List

00-Init Mono
00-Init Stereo

Animated Arp
- Arp and Go One
- Arp and Go Two
- Cajoline
- Digital Indy
- Eighties Pad Arpeggio 1
- Eighties Pad Arpeggio 2
- Keystation
- Majestic Arp
- Many Wheel
- Noise A rus
- Numeric World
- Pad HH Seq
- Peggio Organ
- Perconga
- Power Arp 1
- Power Arp 2
- Ravel Dream
- Sequenced
- Sobriety
- Solo Arpanalog
- Space Brassy
- Stockholm
- Sweet Heart
- Tanguy Gerine
- TV ARP
- Vangela
- Vinci Case
- Wheel Filter
- Wheel My Saw
- Whistle Mania
- Zap HH Seq

Animated Step
- Basic Step Pad
- Erikson Square
- First One Wheel
- Formanta
- Growth Deep
- Keys Gate
- Kontrast
- Main Gate
- Men Ranking
- Mission to Lars
- Murphy Losof
- Noise Hollow
- OminouSteps
- Place Carre
- Pulsotronic
- Reine Huit
- Snapchat Room
- Soft Asyncronous
- Space Vicking
- Step Amoy
- Sweet
- Windy Bawa

Bass
- _Bass Template
- Electrostatistic
- First Stack Bass
- High Voltage
- Imagine Nation
- Lunar Clinton
- Mellobass
- Mode Depeche
- Module Art
- Obese City
- Organ Hybrid
- Organ Wheel
- Pastorius
- Phasor Nicard
- Plastic Tramber
- Poly Bass
- Pure 80s Bass
- Radical Phase
- Screaming B
- Sequence Industrial
- Slap Aliasing
- Slap Sub
- Space Creature
- Spirit of Noise
- Square Face
- Steady Sequence
- Stereo Mono Mode 1
- Stereo Mono Mode 2
- Stereo Mono Mode 3
- Sub Tyl
- The Big One
- Tun Low
- USeQ-1 Bass 1
- USeQ-1 Bass 2
- USeQ-1 Bass 3
- Wet Bass

Bells
- _Bells Template
- Bell Orchestral
- Bell Pad
- Creative Bells
- Digital Baby
- Digital Motive
- Echosphere
- Favor Step
- High Density
- Hybridation
- La Fee
- Little Metal
- Louiseness
- Magic Bells
- Magnifique
- Music Boxish
- Noisy Belly
- Park Bells
- PPG Style
- Prime Time
- Rotating Bells
- Stack Bells 1
- Stack Bells 2
- Steps and Bells
- Synth Bells 1
- Synth Bells 2
- Theme
- Thrillering
- Under Pressure
- Very Long One

Brass
- _Brass Template
- Analog Brass
- Brass Attack
- French Horns
- Gogo Cage
- Heavyness
- Last Poet
- Metal Brass
- Ocean Bruise
- Pulse Brass
- Saxolo Drive
- Second Time
- Short Trumpets
- Soft Metal Brass
- Stack Orchestra
- Steady Poly
- Still Drass
- Trumpet Cheese
- Weird Brass
- Wooble Brass
- Xpanderish

Flute-Winds
- _Flute Template
- Bag Pipes
- Basoon Oboe
- Bit Chorus
- Cool and Bell
- Dirty Whistle
- Double Flute
- Flute
- Frogger Lead
- Glass Blown
- Glass Flute
- Hit Rise
- Nile Five
- Ocarina
- Oriental Cheese
- Saxoish
- Tai Flute
- Whistle
- Windy Whistle

FX
- Atonality
- Galagac Mac
- Hydroliquide
- Little Scarabe
- Little Zap Seq
- Loco Motion
- Low Pulse
- Lunar Chaos
- Madness Mod
- Mind Control
- Noise Fabric
- Noiselead
- Perc Sinergy
- Pink Noise Mod
- Pitch Mode
- Plasmotron
- Ring My Phone
- Rythm Chaser 1
- Rythm Chaser 2
- Shocker
- Sonic Ambiant
- Space Crickets
- Space Disorder
- Synth Wolf
- THX Drunk
- Time and Space
- Tonal Noise Mood
- Underwater
- Unsecure
- Zebulon

Preset List

Keys
- _Clavinet Template
- _Piano Template
- Beauty Keys
- Cold Keys
- CP Like
- Digital Piano
- Drakeys
- Electric Road 1
- Electric Road 2
- FM Grand
- Hamm Road
- Harpsichord
- Hybrid Clav 1
- Hybrid Clav 2
- Mix Dirty
- Movie of Balls
- O Dyno
- Orchestral Harpsi
- Pseudo Acoustic
- Pure Delicate
- Sinister Piano
- Stack Piano 1
- Stack Piano 2
- Synkeys
- Yanni Cordy

Leads
- _Lead Mono Template
- _Lead Stereo Template
- Analog Lead 1
- Analog Lead 2
- Analog Lead 3
- Dirty Detune
- Dirty Moogy
- Flute Bawa
- Funk Fusion 1
- Funk Fusion 2
- Funky Lead
- Grade To Fay
- Hardcastlead
- Hybrid Bass Lead
- Hyper Sync
- Inclassable
- Moog Planet
- Originel Sin
- OV Solo
- Prologue
- Rick Jam
- Saturasync
- Sax Cheezy
- Sine Tereo
- So Brassy
- So Lead
- Stereo Sync
- Sync Five
- Synth Attack
- Teaser Vox
- Tiny One
- Tremo Zinor
- Video Game
- Voltage Lead
- Wha Duck
- Wheel F Town
- Wheelead Power
- Wind Beach

Organs
- _Organ Template
- Dark Animated
- Fair Fiza
- FM Organ
- Full Island
- Ice Organ
- Kalimborgan
- Large Creative
- Organ Brown
- Organ Piano
- Park Organ
- Perc Hammond
- Phase Solasido
- Space Church
- Stack Organ
- USQ Organ
- Voice Organ

Pads
- Altar Ago
- Analog Pad
- Detuned Pad
- Fanta Pad
- Full Drive Moon
- Granulax
- Hyper Cloud
- Hyper Pad
- In the Valley
- Little Porta
- Mayhem of Pads
- Melanchony
- Multi Diffusion
- Nylon Pad
- Ominous
- OP NL
- Openning
- Orchestre Pad
- Organicity
- Pad 5 Pad
- Padlin Pimpim
- Padrone
- Phase Arper
- Plain Pad
- PPG Pad
- Prophet Pad
- Relativity
- Resurection
- Sael Landscape
- Saw Pad
- Sean Michael J
- Seventh Element
- Super Calm
- Synth Pad
- Thick Pad
- Uranus
- Wall Strings
- Windy Soft Arp

Pluck
- _Pluck Template
- Bubble Pluck
- Bwano
- Cosmic
- Dulcimer
- Harp
- Kalimba Bass
- Koto Matic
- Marimba
- Phat Pluck
- Pluckjo
- Pop Corn X
- Pop Tech Corn
- SL Drum
- Tokyo Tong
- Toys Ground
- Wheel Attitude
- World Picked
- Zither

Polysynth
- _Polysynth Template
- Analog Synth
- Basic Synth
- Blur Synth
- Cindy Brassy
- Dark Move
- Detuned Astral
- ESQ Synth
- Fatty Mata
- Fiddle
- Hacker Env
- Hang Over Synth
- Hyper Poly Sync
- In Da 80s
- Kakemono
- Large Saws
- Moods
- Obesity
- Organ Feel
- Poly Belly
- Stack Echo
- Synth Crossback
- Transistor
- Tremolog 1
- Tremolog 2
- Under Arp
- Wheel Movement

Strings-Choirs
- _Choirs Template
- _Strings Template
- Air Choirs
- BN Strings
- Bowrchestra
- Cello Strings
- Cello
- FL Strings
- High Res
- Hymnovox
- Juno Strings
- Kick Voxing
- Large Choirs
- Litte Fairlight
- Mixed
- Noise Strings
- Orchestal Arm
- Orchestra
- Piano Strings 1
- Piano Strings 2
- Post Choirs
- Power Mello
- Precise Strings
- Slow Strings
- Solina 1
- Solina 2
- Strings 1
- Strings 2
- Voice 1
- Voice 2
- Voicer

Sweeps
- _Sweep Template 1
- _Sweep Template 2
- Hard Q Sync
- Inverted Sync
- Max Sweep
- Noise Sweep
- Phantom Ace
- Phantom Two
- Phase Sweep
- Second Sweep
- Steady Cam
- Sweep Folder
- Teasering
- UVI Filter
- Wheel Action
- Whistle Base

Oscillator Waveform List

Bass
- Analog Bass
- Bawa Bass
- DV Bass
- Electric Bass 1
- Electric Bass 2
- Electric Bass 3
- Electric Bass 4
- Fade to Gray
- High Voltage
- Mini Mug 1
- Mini Mug 2
- Mini Mug 3
- O Connor Bass
- Slap Bass
- Style ARP
- Synth Bass 1
- Synth Bass 2
- TB Acid
- Upright Bass 1
- Upright Bass 2
- Vel Bass

Bells
- Bell Pad
- Bell Piano
- Bell Whistle
- Bottles
- Chime Onyx
- Echo
- Pacard Bells
- Palace
- Rack Bells
- Random Bell
- Rotary Bells
- Steel Drums
- Tri Bells
- Wave Bells
- Xbells Bend

Brass
- 3 Trumpets
- Analog Brass
- Brass Strings
- Epic Center
- Fifth Brass
- French Horn
- Full Orchestra
- Heavy Brass
- Metal Brass
- Pluck Brass
- Rave Horns
- Saxophone 1
- Saxophone 2
- Soft Synth Brass
- Trumpet
- Trumpet Strings
- Tuba

Flute-Winds
- Bag Pipes
- Basoon
- Bit Chorus
- Cool
- Dirty Whistle
- Double Flute
- Flute
- Frogger Lead
- Glass Blown
- Glass Flute
- Nile Five
- Noisy Windy
- Oboe
- Ocarina
- Saxoish
- Taj Flute
- Whistle

Keys
- Bee Three
- Clavinet 1
- Clavinet 2
- Clavinet 3
- Digital Piano 1
- Digital Piano 2
- Digital Piano 3
- Digital Piano 4
- Digital Piano 5
- Electric Piano
- Fair Fiza
- FM Dip
- FM Organ
- FM Piano 1
- FM Piano 2
- Harpsichord
- Hybrid Keys 1
- Hybrid Keys 2
- Icy Organ
- Island Organ
- Klambo Clav
- Organ
- Organ Brown
- Organ Piano
- Park Organ
- Perc Hammond
- Piano 1
- Piano 2
- Piano Bell
- Pluck Piano
- Power Piano
- Rhodes 1
- Rhodes 2
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- Stack ePiano
- Steinwey 1
- Steinwey 2
- Tack Piano
- Weird Wurly

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- Analog Pad 3
- Detuned Pad
- Granulax
- Nylon Pad
- Ominous
- Pad 5 Pad
- PPG Pad
- Prophet Pad
- Saw Pad
- Seventh Element
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- Wall Strings

Percussion
- Claps 1
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- Hithat 1
- Hithat 2
- Kick 1
- Kick 2
- Kick 3
- Kick and Simmons
- Miraca
- Pop Conga
- Shaker
- Simmons
- Snaps
- TDrum 1
- TDrum 2
- TDrum 3
- TDrum 4
- Toms 1
- Toms 2

Pluck
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- Space Disorder
- Space Noise Gate
- Static Phone
- Sweep Folder
- Synth Wolf
- THX Drunk
- Underwater
- Z Plane
- Zebulon 1
- Zebulon 2

Synth
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- Analog Synth 2
- Astral
- Basic Synth
- Blur Synth
- ESQ Synth
- Fatty Mata
- Fiddle
- Funky Lead
- Hacker Env
- Hyper Sync
- Klunks
- Meaz Fifth
- Mini M
- Moods
- Moog Planet
- Moogy
- Obesity
- Power Synth 1
- Power Synth 2
- Saturasync
- Skinny Dirty
- Soft Synth
- Synth Attack
- Teaser Vox
- Tint Lead
- Treminsky
- Vibrator

Waveforms
- 01 Saw
- 02 Bell
- 03 Sine
- 04 Square 1
- 05 Pulse
- 06 Noise 1
- 07 Noise 2
- 08 Noise 3
- 09 Bass 1
- 10 Piano
- 11 Electric Piano
- 12 Voice 1
- 13 Voice 2
- 14 Kick
- 15 Reed
- 16 Organ
- 17 Synth 1
- 18 Synth 2
- 19 Synth 3
- 20 Formant 1
- 21 Formant 2
- 22 Formant 3
- 23 Formant 4
- 24 Formant 5
- 25 Pulse 2
- 26 Square 2
- 27 4 Octaves
- 28 Prime
- 29 Bass 2
- 30 Electric Piano 2
- 31 Octave
- 32 Octave 5

Links

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USO1

Hybrid Wave Synthesizer

Credits and Thanks

Produced by UVI

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UVI™

UVI.NET