UVI

UVX670

Soundbank Manual

Software Version 1.0
EN 180701

UVX670

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Introduction

UVX670
Dual '80s Analog Hybrid Synth

- Combining two rare '80s analog polyphonic synths from Japan
- Huge analog sounds with incredible character
- Over 300 custom-designed presets

INSPIRATION

With UVX670 we're heading back in time to the '80s to deep-dive, layer and combine sounds from two unique, underrated analog gems from Japanese synthmaker Akai; the VX600 and the AX73. Both are six-voice analog polysynths, the VX600 being a pad monster with dual VCOs per-voice and the AX73 being remarkable for leads and basses with a 6 VCO architecture usable in either poly, stacked or unison modes through Curtis 4-pole 24/db resonant lowpass filters.

These two synths both employed versatile modulation systems capable of a wide range of sounds. The VX600 had a complex mod matrix, 2 LFOs per voice and allowed frequency modulation. The AX73, with 1 LFO per voice has variable pulse width with PWM usable on any of the waveforms. Individually, neither the VX600 or AX73 have a well-known vintage classic status, but it's not due to lack of capability or rich sound potential. Combined, these synths make an incredible complement, each lending strength to the other and creating some truly powerful sounds when employed together.

INSTRUMENT

UVX670 starts with a VX600 and AX73, both serviced and restored to factory condition. Our sound designers fully-explored these synths, creating a wide selection of sounds that represent a gamut of their strengths and peculiarities including bass, bells, brass, FX. keys, leads, organs, pads, plucks, polysynths, strings and voices. You'll find a wide selection of both themed and archetypal sounds perfect for genre-based production, among many more inspiring and creative sounds for those looking to chart their own path.

Sampling was made per-key for every patch, and on the AX73 we doubled them, including both wet and dry versions with the built-in chorus effect. For recording we utilized Prism converters, with all samples carefully edited and thoroughly tested to ensure the highest possible quality and reliable performance.

Being essentially two vintage analog synthesizers stacked, UVX670 is capable of some radical sounds. Each synth has its own voice selection, volume, pan, filters, amplitude and filter envelopes, pitch, portamento, stereo modes, modulation targets, and arpeggiators, allowing you to create anything from rich, layered unisons to complex, modulating interplays, and being sample-based means you get the authentic hardware sound without having to worry about running out of voices.

Finally, the two synth signals are summed through a high-quality effect chain employing 3-band EQ, drive, Thorus, multi-mode ensemble, Phasor, delay and Sparkverb, allowing you to both polish or completely transform your sounds easily, without the need for other plugins.

Not your typical vintage classics and not your typical presentation, UVX670 delivers a new twist on two underrated analog gems - an inspiring instrument with a rich and capable sonic palette.

Minimum System Requirements
- Latest version of UVI Workstation or Falcon
- 6.36 GB of disk space

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

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Main Page and Globals

UV670 is outfitted with 2 synths as oscillators; the VX600 (VX6) and the AX73 (AX7). Both synths have independent selection of OSC sounds, dedicated volume, pan, filters, envelope generators for amplitude and filter, portamento, stereo mode, and arpeggiators in the Arpeggiator page. The Edit and Effects page modify the summed signal of both synths while Modulation can be selectively targeted.

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

2 ▶ Global Volume

3 ▶ Oscillator
- » **VX6 / AX7 / Both**
  Select VX6 or AX7; displays discrete Amp Env, Filter and Filter Env controls
- » **Balance**
  Sets the balance between low and high register of the keyboard

4 ▶ Synths
- » **Power**
  Turn VX6 and AX7 on/off
- » **Preset**
  Select the Synth sound
- » **Volume**
  Adjust the selected synth layer's volume
- » **Pan**
  Adjust the selected synth layer's pan

5 ▶ Amplitude
- » **Hardware Chorus (AX7 only)**
  Enable the hardware-chorused sound
- » **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

6 ▶ 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

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Edit Page
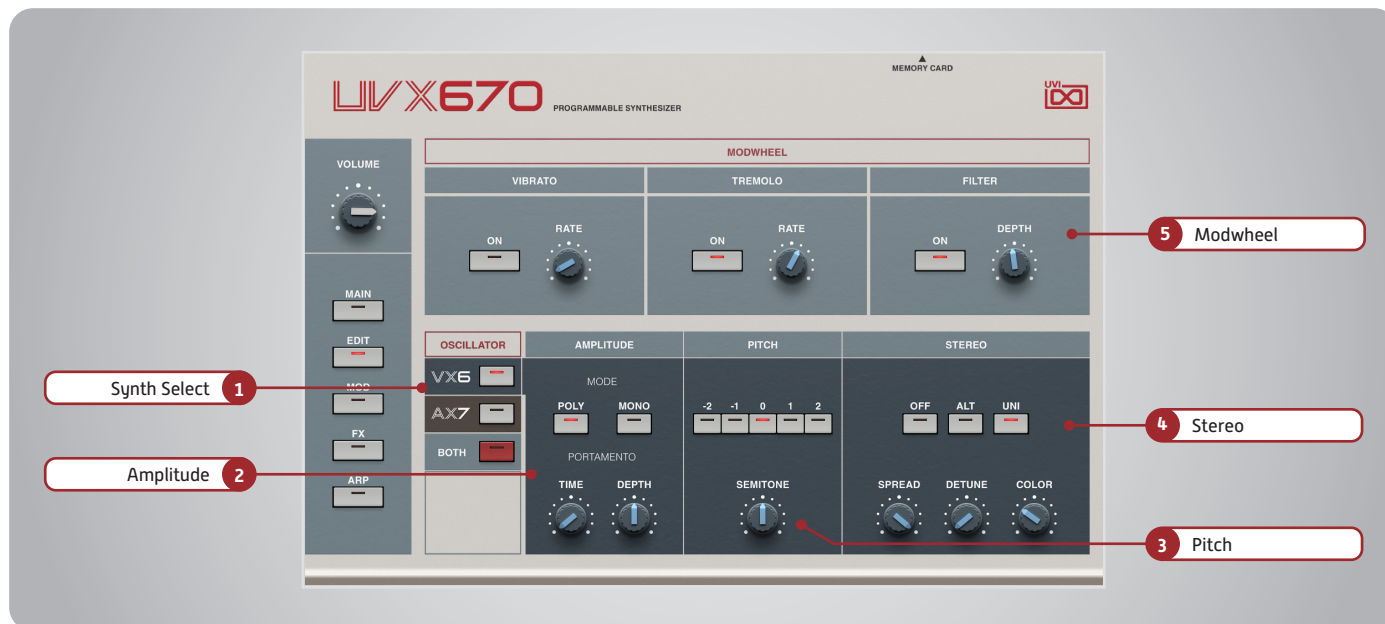
1 ▶ Edit Oscillator

Select VX6 or AX7; displays discrete controls for Pitch/Portamento, Stereo.

2 ▶ Amplitude

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

» **Portamento Time**
Set the Glide time

» **Portamento Depth**
Adjust the Portamento depth

3 ▶ Pitch

» **Octave**
Adjust the pitch in Octaves

» **Semitone**
Adjust the pitch in Semitones

4 ▶ 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

5 ▶ Modwheel

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

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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 Synth's Volume Amount, Filter Depth

2 ▶ LFO

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

» **Speed**
Change the LFO Speed

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

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

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

3 ▶ Modulation Targets

Set the target oscillator for the parameter modulation, VX6 and/or AX7

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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

▶ Ensemble

» **On/Off**
Turn the effect on/off

» **Mode**
Set the ensemble effect mode

» **Tone**
Adjust the brightness of the effect

» **Mix**
Adjust the effect mix amount

▶ 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

» **Speed**
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

» **Lo Freq**
Multiplies the decay time (-/+) for the low frequency signal

» **Hi Freq**
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

000-Init Mono VX6
00-Init Stereo AX7

01– Pure VX600
Big Orchestra
Celestanalog
Classic B
Floating
Global Warm
Gresille
Harvard Square
Noise Bassweep
Noise Tri Wheel
Ominousaw
Phat Squeez
Pianoise
Plastic Brass
Pluckino
Polymode
Prophet VX
Softy Flutty
Triangle Trem
Vibrations

02– Pure AX73_VX90
Eight Bit Mania
Evolupad
Fast Attack Brass
Funky Mix Waves
Gone Alpha
Issy Meliot
JP Eighties
Moonlight
Reversible
Soft PPG
Solinox
Space Strings
String Ominous

Animated Arp
Akairpeggio
Dead or Alive
Expressive Crown
Fast Dropping
Haut Perche
Insolence
Juan Michael Speed
Mojito
Noise Aperol
Pacific Island
Pan Arp
Polynome
Pure and Simple 1
Pure and Simple 2
PXV8 Inspiration 1
PXV8 Inspiration 2
PXV8 Inspiration 3
Raw 70s
Second Cycle
Simple Efficient
Soft Anger
Space Double
Speed Arper
Sust Arp
Tanger In
Tick Arp
Timba Flute Man
Two Whites
Vintage Vibes
Vu Meter
VX2500
Weirdo Arp
Wheel-Michel Jarre

Animated Step
A Melody 1
A Melody 2
Delay Play
Erasmus
From PXV8
Gate A Pain
Golden Triangle
Heavy E
High Pass Animated
Octave Air Jebel
Porto Gate
Power Trem
Slowheeling
Space Church
Step Daddy
UVI Classic Steps 1
UVI Classic Steps 2
Wheel Volution

Bass
Ample Analog
Auto Bass
Barista
Depeche Mod Seq
Enervous
FM Sensation
Funkotronic
Grain Sub
Hardly Panned
Harshy Bass
In Da Bass
Large Bass
Lisboass
Little Acid
Nation Image
Network Rez
Ninja B
Noise Sub
Obesweep
Octave Seq
One Note A TIme
Pattern Arp
Phase Guit
Polyvalent
Stereo Bass
Stereo Buzz
Sub Lime
Sweep Down
VX Modular
Whazy Whazarb
Xtremity

Bells
Analog Bells
Bon Matin
Composite 1
Composite 2
Digital
Dirty One
Dracubells
Fantasy Analog
First Light
Good 4 Bell
Hybrid Bells
Koto Bells
Majestic Bells
Mini Porta Bells
Morph O Wheel
Rythm Bells
Sweeportamento
Synthetic
Titi Gromibells
Tribal Treble
Versatile
Wave Bell
Zumo Bella

Brass
Ghostready
Hybricity
Large Syn Brass 1
Large Syn Brass 2
Low Horns
Proud Brass
Sink Funk
Stab Noisy
Synthetic Brass
Toto Head
VX Brasses

FX
Arpification
High Drone
Mono XPlosion
Paic Citron
Space Cave
Stressfull
Sweep Dream

Keys
Analog Upright
Composite One
Composite Two
Creative Keys
Digital Mood
Electric Piano
Hybrid Clav
Keys Beauty
Large Keys
Leslie Tesla
Medieval Synth
Melody Bass
Petit Piano
Power Clav
Pure Clavinet
Sad Piano
Softissimo
Space Digital
Spacelesta
Synth Church
Synth Clav
Tremolo Castle
Wurlanalog
Yanni Keys

Leads
Duplead City
Exotic Flute
Frantic Wheel
FX Lead
Hybrid Lead
In Fusion
Jorge Clintones
La Bassine
Lead Attack
Leaduck Dance
Little Noise
Moog Click
Musical Saw
Octave Lead 1
Octave Lead 2
So Lead
Some Delay
Steroid Lead
SubLead
Supra Fonk 1
Supra Fonk 2
Sweep Lead
Synth Flute
Tokyo De Chao
Wha Wheel
Whistle Moog
Zaliasing

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Preset List

Organ

Dora Nalogue
Organ Clickos
Space Limonaire
Triaroussel
Unexpected Organ
Vax Humanox
Wheel Organ

Pads

Bell Pad
Cambridge Pad
Cloud Francois
Creative Octave
High Drone
Immersion
Kyoto Rino
La Douceur
Meditative
Moleskine
Mood Of Sea
Multi Space
Noise Mania
Observatoire
Omni Nous
OP NL
Pad Liaison
Pad Razeet
Phase Ability
Sehr Big
Slow Motion
Space Abbey
Sweep Low Phase
Sweep Traveler
Triangle Beauty
Underground Low 1
Underground Low 2
Voluptuoso
Wet Wet Wet
Wheel Env

Pluck

Big Wet
Boston Pluck
Cofee Tatte
Elephant
Fluty Plucky
Metalish
Pepo Necor
Pluchord
Pluckeys
Plucklav
Poly Corn
Pork in Space
Short Pluck Wheel
Soft Corn 1
Soft Corn 2
Spark Luck
Stack Getto
Standard Hotel
Very Short Seq
Wed Chiraz
Wes Montgomsynth
Wheel Attack

Polysynth

Beat Goes On
Big Stab
Dirty Poly
Fluty Suby
Funkoly
Hook Stack
Hybridation
Male Poly
Melancolia
Mello Tronic
Pac Maniac
Plain Synth
Plate Combination
Poly Arp
Poly Melody
Sweepoly
Synth Baroque
Two Hands
Waveforms

Strings

Broken Strings
Champs Elysees
Fast Syn Strings
Orchestral X
Space Orchestra
Stack Soline
Triangle Strings
Wet Solina

Voices

Choral On Chain
Darklight
Hysteria
Mello Noise
Opera Vox
Rise Choris
Stack And Solo
Synth Lalala
Vocce Gabana
Vox Arp
WetLight I
WetLight II

Synth Preset List

VX6

Bass
Bubble Funk
Deter Bass
Funktotron
Lazer Bass
Low Sweep
Modulator
Network Bass
Noise Bassweep
Pad Bass
Phat Squeez
Rezattack
Sub Lime
Thriller Like
VX Bass
Wha Zarbi

Brass
Big Orchestra
Classic B
Hybrid Brass 1
Hybrid Brass 2
One Much
Phat Organic
Plastic Brass
Rezo Brass
Short Sweep
Soft Funk
Soft Orchestra
Square Bass
Synthetic
Tubalar

FX
Falling
Ghost One
Glass FX
Gresille
Harmo No
LFOlie
LFOpera
Mayhem 1
Mayhem 2
SAStifaction
Wet Air

Keys
Analog Piano
Calm Piano
Cindy Soft
Doorsgan
Electric Organ
Keys Analog
Little Caroussel
Space Organ

Lead
Give Me Five
Happy Meal
Harvard Square
Interference
Monster LeadBass
NASA Lead
Non Pure
Synth Lead 1
Synth Lead 2
Warm Lead

Pads
Amel O Pad
Calm Strings
Glass Strings
Global Warm
Grain Pad
La Douceur
Multi Strings
Ominous
Pad Brite
Pastel
Pure Strings
Soft Sine
Steady Pad
tuningTable.lua
Vibrations
Warming
Wowel Vox

Pluck Bell
Celestanalog
Good 4 Bell
Marimbanalog
Master Pluck
Pianito
Pluckino
Reso Pluck
Shorty

Poly
Bipolaroid
Bon Matin
Das LFO
Floating
Glide a Thor
Osmo Detune
Paw Lead
Plain Synth
Polymode
Prophet VX
Stab Noise
Stack Pole 1
Stack Pole 2
Sweepoly
Vocal VX
VX Power

Waveforms
2 Saw 1 Basic
2 Saw 1 Detuned
2 Saw 2 Basic
2 Saw 2 Detuned
2 Saw 3 Basic
2 Saw 3 Detuned
2 Saw 4 Basic
2 Saw 4 Detuned
2 Saw 5 Basic
2 Saw 5 Detuned
2 Triangle 2 Saw 1
2 Triangle 2 Saw 2
2 Triangle Basic
2 Triangle Detuned
Noise
Saw 1
Saw 2
Saw 2 Triangle
Saw 3
Saw Noise 1
Saw Noise 2
Saw Noise 3
Saw Tri Noise 1
Saw Tri Noise 2
Saw Triangle 1
Saw Triangle 2
Sync Osc 1
Sync Osc 2
Sync Osc 3
Sync Osc 4
Sync Osc 5
Sync Osc 6
Triangle 1
Triangle 2
Triangle 2 Saw
Triangle 3
Triangle Basic
Triangle Noise 1
Triangle Noise 2
Triangle Noise 3

AX7

Bass
Buzz Guitar
Click Org
Funky Man
Grain Bass
JP Eighties
Mutron Box
Phat Bass 1
Phat Bass 2
Phat VX90
Rez Souko
Shorten
Steady Riley
Sub Square
VC Funk

Brass
Classic Analog
Fast Attack
Metal Brass
Metal Brass Soft
Moonlight
OB Race
OB Toc U
Soft Horns

FX
Broken Bass
Jarre Dad
Lazer Down
Simmonsnare

Keys
Chapelle
Clavinet
Harpsichord
Hybrid Keys
Power Keys
Rocky Road
VX Piano
Wurly Star

Lead
Click Lead
Dulce Gue
Flute VX
Harmonicab
Ice Lead
LFOrganic
Moogly
Piccolo
Solo Mio
Sololid
Square Power
Time Journey
Whazabi
Will Sol

Organ
Hi Cordeon
High Organ
Jaguar VX
Little Organ
Organ Box
Perc Organ
Squaroussel

Pads
Evolupad
Fast Sweep
Little Sweep
Low Strings
Male Ahs
Mellow Coton
Phaser
Slow Motion
Solinox
Space Strings
Strings Ominous
Texture PG

Pluck Bell
Bellabell
Celestin
FX Bell Pluck
Guitar Mood
Luth is Russian
Nice Pluck
Pluckyster
Portabella
Seal Teek
Soft PPG

Poly
Depeche Mod
Dirt Poly
Eight Bit Mania
Funky VX
Glasquare
Gone Alpha
Pink Machine
Poly Sweep Down
Profitable
Soft Synth
Steel Drumish
Synth Paulie

Waveforms
Saw Basic
Saw PWM
Saw Triangle Basic
Saw Triangle PWM
Square Basic
Square PWM
Triangle Basic
Triangle PWM

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Links

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Home . . . . uvi.net/

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Soundbank Installation Guide . . . . installing_uvi_soundbanks_en.pdf

UVI Workstation User Guide . . . . uviworkstation_user_guide_en.pdf

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Credits and Thanks

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