



ENERGY

Software User Manual

Version 1.0
R02 EN150602

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Introduction



ENERGY 32-Oscillator Additive Future Synth

ENERGY is the product of a unique and extremely rare additive synthesizer from the early 80's, the Digital Keyboards Synergy. Released in 1982, the DK Synergy was based on an extremely sophisticated additive engine for the time, derived from the nearly \$30,000 Crumar GDS (General Development System) and famously used by Wendy Carlos on the original TRON soundtrack. In fact many of the Synergy's presets were crafted by Carlos herself, who is noted to still use the synth to this day. The Synergy had a short commercial run over 3 years, seeing less than 1,000 units produced as it was ultimately obscured by Yamaha's runaway success with the far cheaper DX7. Actual production numbers are thought to be less than 700 units with very few of those surviving the last 30 years—making it an exceptionally rare instrument.

Rarity, prestigious lineage and pop-culture influence of the Synergy are only part of the intrigue. The Synergy was a conflicted instrument by design, especially for the time of its release. It offered an outrageous 32-oscillator sound engine with dual 16-stage loopable envelopes and a velocity sensitive 74-note keyboard. At the same time it was built with extremely prohibitive editing functionality, to the point of making it appear as more of a preset player than its control laden contemporaries. While programming the Synergy was far from an intuitive process it was indeed possible, and the results were truly stunning, both then and now.

ENERGY offers a thorough and authentic sampling of the DK Synergy's output, covering the gamut of timbres and thoroughly exploiting its capable sound engine. From FM-styled leads and keyboard sounds to evolving pads, bass and arpeggios, ENERGY provides a decidedly complex and unique tonal quality that sounds simultaneously vintage and futuristic.

With ENERGY you can explore a wide range of presets or sculpt raw waveforms into your own custom patches through an intuitive and easy to use user interface, all with the rock-solid stability and outstanding performance of the UVI Engine™.

Previously exclusive to the Vintage Legends bundle ENERGY is now available separately, delivering an undeniable hardware signature and the pristine sound quality UVI is known for at an incredible price.

System Requirements



Compatibility

Audio Units, VST, MAS, AAX, RTAS or standalone
UVI Workstation 2.5.12 or higher

Minimum System Requirements

- ▶ Intel CPU
- ▶ 4 GB of RAM (8 GB+ recommended)
- ▶ 1 GB of disk space
- ▶ Mac OS X 10.7 or higher
- ▶ iLok account (free, dongle not required)



Compatibility

VST, AAX, RTAS or standalone
UVI Workstation 2.5.12 or higher

Minimum System Requirements

- ▶ Core Duo or faster
- ▶ 4 GB of RAM (8 GB+ recommended)
- ▶ 1 GB of disk space
- ▶ Windows 7 or higher
- ▶ iLok account (free, dongle not required)



Authorize the Way You Want

Your license allows 3 concurrent authorizations on any combination of computers and iLok dongles.

License management is a simple drag-and-drop process done through iLok License Manager.

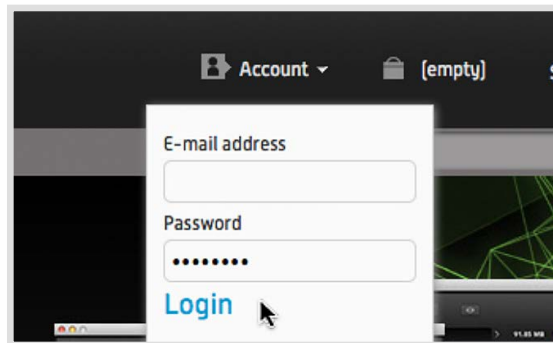
Visit ilok.com to download iLok License Manager and create your free account.

Step 1 Register Your Serial Number

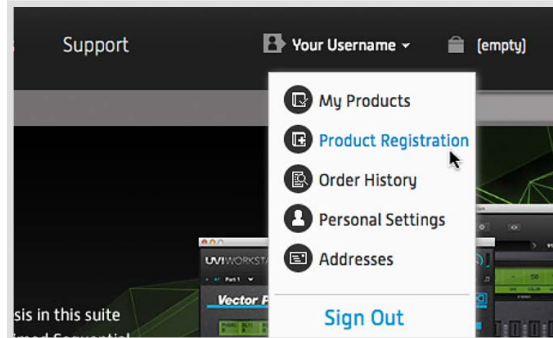


- ▶ You must have an account on uvi.net and ilok.com prior to registration
- ▶ If you purchased a **physical version** of this product, your serial number is located on the inside of the box
- ▶ If you purchased an **electronic version** of this product, your serial number will be included in a confirmation email
- ▶ You can see a list of the products you've registered and their serial numbers anytime at uvi.net/my-products

1. Login to your account on uvi.net

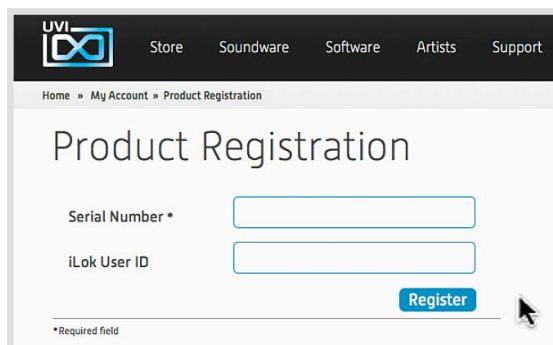


2. Navigate to the 'Product Registration' page



3. Enter your details and click 'Register'

Upon completion a new license will be deposited in your iLok account



Step 2 Activate Your License



- ▶ iLok License Manager is required for activation, download the newest version at ilok.com/ilm.html
- ▶ Your license allows up to 3 concurrent activations on any combination of iLok dongles and computers
- ▶ Activations can be moved between devices at anytime

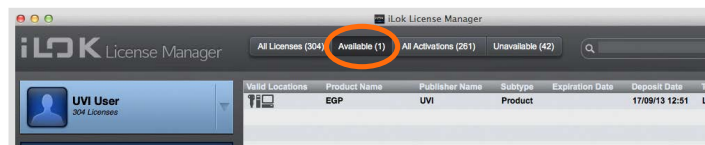
1. Launch iLok License Manager



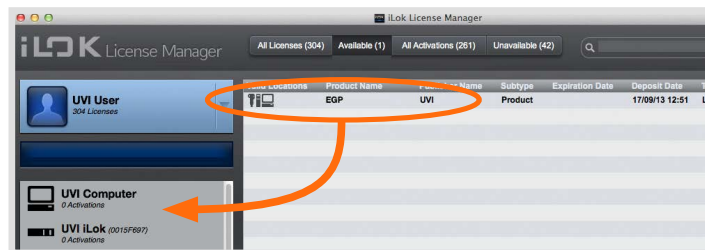
2. Login to your account



3. Click the 'Available' tab

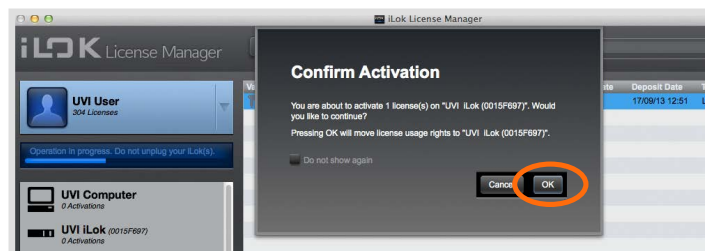


4. Drag the license to your computer or an iLok dongle



5. Click 'Ok' to confirm the activation

The process is complete, your device is now authorized



- » To see how many authorizations you have left simply select the license and click 'Show Details'
- » To deactivate your license, right-click it and select 'Deactivate' — doing so will return your license to the 'Available' tab

Step 3 Install Your Instrument



- ▶ UVI Instruments can be stored anywhere on your system
- ▶ Storing your instruments on a fast drive will improve performance
- ▶ Your instruments can be downloaded at any time from uvi.net/my-products

1. Create a folder on your computer and place your UVI Instruments in it
Once this is done we need to tell UVI Workstation where to find your instruments.
We do this by creating a watch folder, follow the steps below to create your own:

2. Open UVI Workstation



3. Click the Settings page



4. Click the 'Sound Banks' tab

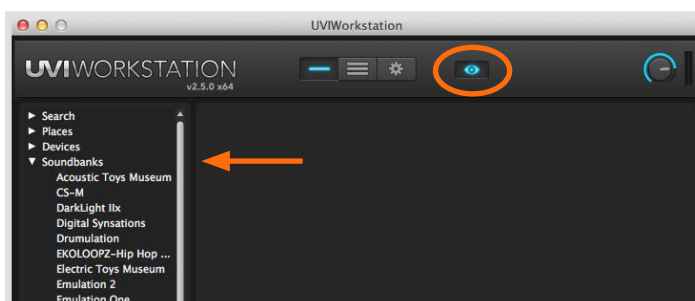


5. Click the '...' button and select the folder where you've placed your instruments



6. Restart UVI Workstation and open the Browser

Your instruments will be available under the 'Soundbanks' tab



Step 4 Load Your Instrument

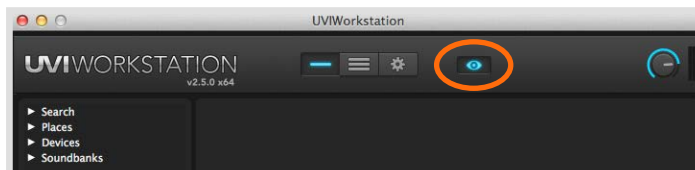


- ▶ UVI Workstation is required to run UVI Instruments
- ▶ The newest version of UVI Workstation can be downloaded free at uvi.net/downloads
- ▶ UVI Workstation can be run as a standalone program or as a virtual instrument from within your DAW of choice

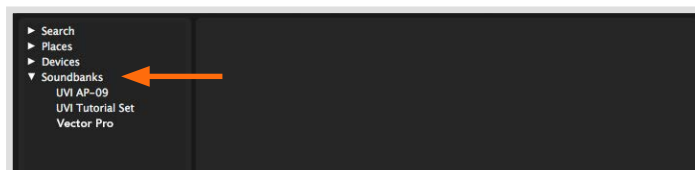
1. Open UVI Workstation



2. Click the Browser icon



3. Open the Sound Banks tab



4. Select a product, in this example we'll choose Vector Pro, then select an instrument and patch

Double-click the patch to load it



5. The UI appears and you're ready to jam!



User Interface - Edit Page



The UI is divided into two pages; **[Edit]** and **[Mod]**. Main controls such as amp, filter, stereo, pitch and effects are available on the **[Edit]** page. Clicking the **[Mod]** button at the top of the interface reveals the second page of controls, where you can access the LFO and Step Modulator. Presets are accessible directly through the browser in UVI Workstation/MachFive.

1 ▶ Page + Arp

- » **Edit**
Sets the UI to the Edit page
- » **Mod**
Sets the UI to the Mod page
- » **Arp**
Toggle built-in arpeggiator on/off

2 ▶ Filter

- » **ADSR**
Typical envelope controls for the filter
- » **Cutoff Freq**
Filter cutoff frequency
- » **Q**
Set the filter bandwidth
- » **Depth**
Set the depth of the filters EG
- » **Filter Type**
Multimode filter can be set to low-pass [LP], band-pass [BP], or high-pass [HP]

- » **Drive**
Set the filters drive amount
- » **Vel Sens**
Adjust the filter velocity sensitivity

3 ▶ Amp

- » **ADSR**
Typical envelope controls for the amp
- » **Vel Sens**
Adjust the amp velocity sensitivity
- » **Vel > Atk**
Remaps Attack to Note Velocity

4 ▶ Mode, Pitch, Sub

- » **Pitch : Mono/Poly**
Switch between Mono and Poly mode
- » **Pitch : Depth**
Sets the depth of portamento [Poly]
- » **Pitch : Time**
Sets the glide time for both modes

- » **Sub Osc : Clean/Dirty**
Switch between clean and distorted sine
- » **Sub Osc : Volume**
Adjust mix amount

5 ▶ Stereo

- » **Mode - Alt**
Stereo position alternates L/R every note, width controlled by **[SPREAD]**
- » **Mode - Uni**
Layers multiple samples and augments them for increased stereo presence, modify with **[COLOR]** and **[DETUNE]**
- » **Color**
Utilizes neighboring samples
- » **Spread**
Sets the stereo width **[ALT] [UNI]**
- » **Detune**
Detunes the unison layers **[UNI]**

User Interface - Edit Page [continued]



6 ▶ Modwheel

This section provides a quick way to map common controls to your MIDI keyboards modwheel

- » **Vibrato Rate**
Speed of the vibrato (free)
- » **Tremolo Rate**
Speed of the tremolo (sync)
- » **Filter Depth**
Filter resonance depth

7 ▶ Effects

- » **Phaser**
Adjust effect mix amount
- » **Delay**
Adjust effect mix amount
- » **Reverb**
Adjust effect mix amount

8 ▶ Energizer

- » **On/Off**
- » **Effect Amount**

User Interface - Mod Page



1 ► LFO

- » **Sync**
Toggle LFO sync to host tempo
- » **Speed**
Set the LFO speed
- » **EG Depth**
Set the depth of the LFO envelope
- » **Attack**
Set the LFO envelope attack time
- » **Decay**
Set the LFO envelope decay time
- » **Shape**
Select the LFO waveform: Sine, Square, Triangle or Sample & Hold (random)
- » **> Pitch**
Set the pitch modulation amount
- » **> Drive**
Set the drive modulation amount
- » **> Volume**
Set the volume modulation amount
- » **> Filter**
Set the filter modulation amount

2 ► Step Modulator

- » **Res**
Set the step speed/resolution
- » **Steps**
Set the number of steps to playback
- » **Step Value**
Set the per-step value (draw with mouse, double-click to enter explicit values)
- » **Delay**
Set the initial delay time
- » **Rise**
Set the time to activate smooth
- » **Smooth**
Interpolates sub-step values for a smooth modulation
- » **> Volume**
Set the volume modulation amount
- » **> Filter**
Set the filter modulation amount

► Saving Presets

- » **UVI Workstation**
 1. Click the [Multimode] button in the main toolbar
 2. Click the [Wrench] icon
 3. Select 'Save Multi'
- » **MachFive3**
 1. Click the [Wrench] icon and save as a Multi (all parts) or as a Program [single]

Settings for both UVI Workstation and MachFive will be saved automatically with your project if you're working within a DAW.

Preset List

Presets

Arpeggios

Balinverted
Balladisiac
Clarpsic Analog
Columbo
Crazy Arp Wheel
MarimbArp
Noisy Eighty
Pop Kellogs
Seventy Nine Chords
Slow Motion
Speed Motion
Square Mode
Tanger In
Zoom Bass

Bass

BasSolid
BaXploitation
Dark Side Bass
Dirt Clav
Distronic
Harsh Square
Nu Motor Bass
Powering
Spectro Bass
Subbistic
Thrillering
Zapp Land

Bell

Anabell
Bell Ami
Delicanalog Bell
DK Bells
Melli Bello
Oldies Bell
Organic Bells
Pizzi Bells
Sergio Bells
Space Music Box
Strange Bell

Superbe LL
Synth Balafon
Xylosonic

FX

Big Temple
Crazy Take Off
Drunk Robot
Ener2D2
Fearlight
FX Mansion
FX Tchkok
Madison Square
Square Garden
Tension

Keys

Acoustic Like
Basikeys
Broken Piano
Church Engine
Clavinergy
DarKeys
Decarpsychord
DK Roussel
DKlavinet
Dramatic Org
Electric DK Piano
G Funker
GranDK
Ham Organic
Hybrid Harp
Innocent Keys
Moody Roady
Road me Softy
Speaker Road
Suitcasing
Vinyl Pluck
Wurlynergy

Leads

Art Monica
Beauty Lead
BP Solead
Dubstep Lead
Funk Energy
Mellolead
Polead Brassy
Short Seq Lead
Skrillergy
Solo DKFein
Square Me
Tight Solo
Wheel You See

Misc

Brass 5th Wheel
Cheap Orchestra
Daft Brass
Dream Pluck
Energuitar
Farfisorg
Hybrid Power Brass
Kingston Vibes
Mellolike
Orgebra
Poly Dirty
Poly Stepped
PortaBrassy
Refugees Brass
Short Flute
Stack Fifth
Stepped Stack
Stratoskeys
Tangerine Brass
Top Corn

Pads

Acoustic Pad
Deep Arc
DK Fantasy
Go to Delphia
Gospel Stack
Magic Swell
Ominous Syn
Pad Cycle
Pad Problem
PaDark
Reflexions
Simply Beauty
Step Pad Step
Sweep Energy
Thin Brass Pad
Typical DK Pad

UVI Workstation: Tips + Tricks

MIDI Learn



Most UVI Workstation parameters can be automated via a convenient MIDI Learn. MIDI Learn allows you to bind a physical MIDI controller to specific parameters within UVI Workstation.

- ▶ Any FX tab parameter, Macro Knob or Slider in UVI instruments can use the MIDI Learn feature
- ▶ The MIDI controller type and the MIDI Channel assignment will be saved with the multi or with your song in the host sequencer
- ▶ Automation is assigned per-part

To use MIDI Learn:

1. Right-click the parameter in UVI Workstation that you want to automate
2. After the MIDI Learn dialog appears, Trigger the desired MIDI input controller (knob, fader etc.)

To remove a MIDI controller assignment:

Right-click the desired parameter and press "Delete"

Unlimited FX



UVI Workstation offers a wide variety of FX, or effect processors, to cover all your audio processing needs. The FX implementation is robust and includes the ability to insert unlimited FX slots in several stages of the signal flow.

- ▶ Click the "FX" tab to open the FX page on the Single view
- ▶ In Multi view the FX section is always displayed

Arpeggiator



UVI Workstation comes equipped with a robust arpeggiator. To insert an arpeggiator in a part, you need to display the Single view in the UVI Workstation, then click on the note icon. The arpeggiator can be employed as a pattern gate, arpeggiator, or even an advanced rhythmic processor for your live MIDI performance or sequenced MIDI tracks. Arpeggiators can be inserted in an unlimited number of parts.

Preset Stacking

Thanks to the simplicity of the UVI Workstation you can stack as many preset as you want by simply assign multiple part on the same MIDI channel.

Split, Velocity & Key Switch

	LOKEY	HIKEY	LOVEL	HVEL	KEYSWITCH	STREAMING	OUTPUT
A1 <> 089-HB-Sticks 01a.aif	<input type="checkbox"/>	<input type="checkbox"/>	C-2	GB	<input type="checkbox"/>	1 127	C3 Main Out
A2 <> Analog Strings	<input type="checkbox"/>	<input type="checkbox"/>	C-2	GB	<input type="checkbox"/>	1 127	None Main Out
A3 <> WerMa-Philli.aif	<input type="checkbox"/>	<input type="checkbox"/>	C-2	GB	<input type="checkbox"/>	1 127	None Main Out
A4 <> Synth Bass & Synth	<input checked="" type="checkbox"/>	<input type="checkbox"/>	C-2	GB	<input checked="" type="checkbox"/>	1 127	C3 Main Out
A5 <> Jazzistic Guitar 4	<input type="checkbox"/>	<input type="checkbox"/>	C-2	GB	<input type="checkbox"/>	1 127	None Main Out
A6 <> Lord Full-light	<input type="checkbox"/>	<input type="checkbox"/>	C-2	GB	<input type="checkbox"/>	1 127	C3 Main Out
A7 <> Inter Keyboard - Disco.aif	<input type="checkbox"/>	<input type="checkbox"/>	C-2	GB	<input type="checkbox"/>	1 127	None Main Out
A8 <> Acoustic Toy Medley	<input type="checkbox"/>	<input type="checkbox"/>	C-2	GB	<input type="checkbox"/>	1 127	None Main Out







The Keyswitch settings allow you to load multiple presets into two or more parts and dynamically play and mute them from your MIDI controller using key switching, note range, velocity range or any combination of the three parameters. This powerful feature gives you a great deal of real-time control.

Scroll Wheel


All knobs can be adjusted with the scroll wheel on your mouse. When you double-click on any knob or slider, you can manually enter or type in the desired value.

Links

UVI

- Home uvi.net/ 
- Download UVI Workstation and User Manuals uvi.net/downloads 
- Your Registered Product Serial Numbers and Download Links. uvi.net/my-products 
- FAQ uvi.net/faq 
- Tutorial and Demo Videos youtube.com/ 
- Support uvi.net/contact-support 

iLok

- Home ilok.com/ 
- iLok License Manager ilok.com/ilm.html 
- FAQ ilok.com/supportfaq 



ENERGY

Credits and Thanks

Produced by UVI

Recording / Editing / Sound Design

Damien Vallet
Kevin Guilhaumou
Alain J Etchart

Software + Scripting

Olivier Tristan
Remy Muller

UI + Design

Nathaniel Reeves

Special Thanks

Jean-Bernard Emond



UVI.NET