



# **PX** **apollo**

## Soundbank Manual

Software Version 1.0

EN 160307



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## Introduction



### PX Apollo

Forebear of the Polyphonic Analog

PX Apollo marks the first release of our PX Prototype Series, exploring the oft veiled world of unique, fringe and unreleased electronic and acoustic instruments.

PX Apollo is based on a rare synthesizer prototype from the early '70s of which only 2 are known to exist. Part of a larger project that was eventually abandoned, this instrument was the precursor to one of the world's first and most prolific polyphonic analog synthesizers. With a sound that can be described as rich, warm and surreal, this instrument was extraordinarily playable for the time, sporting velocity sensitivity and a performance interface, while its polyphonic 71-voice architecture signaled the coming paradigm shift in synthesizer design that would soar during the following decade.

The PX Apollo project represents an enormous effort and commitment to quality on many levels. Due to the components available at the time of their design, early polyphonic synthesizers were and remain particularly susceptible to failure and require continued maintenance. The unit used for PX Apollo was no exception, initially inoperable it required a tremendous restoration effort and no expense was spared to ensure complete authenticity and original functionality.

With the restoration complete we set about to document this historic instrument as accurately as possible. We created a huge master sample catalogue with the best hardware available. Each key was sampled in a multitude of configurations and for each 4 round-robins were created per note. The resulting PX Apollo sound bank consists of over 4,000 samples. From this library over 100 patches were made by our sound design team, delivering a fantastic collection of ready-to-play patches.

The UI for PX Apollo was inspired by the aesthetics of the original hardware, while the layout and control schema were designed to provide intuitive and efficient use while maximizing flexibility, allowing for both quick edits to preset sounds and deep customization by way of a full compliment of synthesis tools and effects including 3 oscillators, envelope generators, high-quality filters, pitch and stereo controls and per-oscillator modulation and arpeggiation.

PX Apollo provides a glimpse into a key moment of synthesizer history at one of the industries most important turning points, delivering a rich and detailed sound with a warm and pronounced character.

#### Minimum System Requirements

- Latest version of UVI Workstation or Falcon
- 1.13GB of disk space

For more information on the installation process, please refer to the document: [Soundbank Installation Guide](#)

## Main Page and Globals



PX Apollo is outfitted with 3 oscillators; Bass, Osc A and Osc B. The Bass oscillator is a simple sub oscillator with volume and filter cutoff controls. Osc A represents the sampled instruments 14 preset configurations. Osc B is a phase distortion-type oscillator. Oscillators A and B have dedicated volume, pan, filters and envelope generators for amplitude and filter. FX pages effect the summed signal of all three oscillators while Mod and Arp pages can be set to selectively target Oscillators A and/or B.

### 1 ► Pages

- » **Main, Edit, Mod, FX and Arp**  
Click to change the current control page

### 2 ► Global Volume

### 3 ► Global Presets

### 4 ► Oscillators

#### BASS [Sub Osc]

- » **On/Off**  
Turn the Bass osc on/off
- » **Volume**  
Adjust the volume of the Bass osc
- » **Cutoff Freq**  
Adjust the cutoff frequency of the Bass oscillator's low-pass filter
- » **OSC A [Hardware-Sampled]**
- » **On/Off**  
Turn Osc A on/off

### » Presets [1-14]

- Select the preset sound
- OSC B [Phase Distortion]**

### » Preset Wave

- Select the oscillator wave-shape
- » **On/Off**

Turn Osc B on/off

### 5 ► OSC A/B Selector

- Select Osc A or B; presents discrete Main, Amp Env, Filter and Filter Env controls

### 6 ► Main, Amp Env

- » **Main: Volume**  
Adjust the oscillator volume amount
- » **Main: Pan**  
Adjust the oscillator Pan amount
- » **Amp Env: ADSR**  
Adjust the amplitude using a typical Attack, Decay, Sustain, Release envelope

### » Amp Env: Velocity

Toggle velocity on/off

### » Amp Env: Vel > A

When active, routes Velocity input to Amp Env: Attack

### 7 ► Filter, Filter Env

#### » Filter: Mode

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

#### » Filter: Cut

Set the filter cutoff frequency

#### » Filter: Res

Set the filter resonance amount

#### » Filter: Vel

Set the filter's velocity sensitivity

#### » Filter: Depth

Set the filter's depth amount

#### » Filter Env: ADSR

Typical ADSR envelope for the Filter

## Edit Page



### 1 ▶ **OSC A/B Selector**

Select Osc A or B; presents discrete controls for Pitch, Stereo and Modwheel

### 2 ▶ **Pitch**

- » **Octave**  
Adjust the pitch in Octaves
- » **Semi**  
Adjust the pitch in Semitones
- » **Mono**  
Toggle between Mono and Poly voicing
- » **Depth**  
Adjust the Portamento depth
- » **Time**  
Set the Glide time

### 3 ▶ **Stereo**

- » **Mode**  
Off / Alternate Pan / Unison (OSC A only)
- » **Spread**  
Change the stereo width
- » **Detune**  
Unison layer detune amount  
[Unison mode only]
- » **Color (OSC A)**  
Shifts color based on adjacent samples
- » **Unison Voices (OSC B)**  
Set the unison voices (up to 8)

### 4 ▶ **Modwheel**

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

## Mod Page



### 1 ▶ Step Modulator

- » **Steps**  
Change the amount of steps for the sequencer to play
- » **Speed**  
Change the sequencers step length
- » **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
- » **Editor**  
Interactive editor for programming sequenced modulations; bar height equals mod amount

### » Step Modulator Routing

Control the amounts of modulation to be applied to various parameters including; Volume Amount, Filter Depth and Osc B Pulse Width Modulation

### 2 ▶ LFO

- » **Sync**  
Enable/Disable LFO sync to Host Tempo
- » **Waveshape**  
Choose LFO waveshape; Sine, Triangle, Square or Sample & Hold
- » **Speed**  
Change the LFO Speed
- » **Mode**  
Change the LFO retrigger mode; Retrigger, No Retrigger or Legato
- » **LFO Routing**  
Control the amounts of LFO modulation to be applied to various parameters including; Pitch, Drive, Volume and Filter

## FX Page



### 1 ▶ Drive

- » **On/Off**  
Turn the effect on/off
- » **Amount**  
Adjust the drive amount

### 2 ▶ Chorus

- » **On/Off**  
Turn the effect on/off
- » **Speed**  
Adjust the chorus modulation speed
- » **Depth**  
Adjust the chorus modulation depth

### 3 ▶ Phaser

- » **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

### 4 ▶ Delay

- » **On/Off**  
Turn the effect on/off
- » **Time**  
Adjust the delay time
- » **Feedback**  
Adjust the delay feedback amount
- » **Mix**  
Adjust the delay effect mix amount
- » **LoCut**  
Adjust the delay output's low-cut filter frequency
- » **HiCut**  
Adjust the delay output's hi-cut filter frequency

### 5 ▶ Reverb

- » **On/Off**  
Turn the effect on/off
- » **Size**  
Adjust the reverb room size
- » **Decay**  
Adjust the reverb decay time
- » **Decay: HiMult**  
Multiplies the decay time [-/+ ] for the high frequency signal
- » **Decay: LoMult**  
Multiplies the decay time [-/+ ] for the low frequency signal
- » **Mix**  
Adjust the reverb mix amount

## Arp Page



### 1 ▶ **Arp On/Off**

Toggle the Arpeggiator On/Off

### 2 ▶ **Mode**

Select Up, Down, or Up and Down

### 3 ▶ **Steps**

Change the step length

### 4 ▶ **Speed**

Sets the Arpeggiators step length

### 5 ▶ **Octave**

Set the pitch range of the Arpeggiator in Octaves

### 6 ▶ **Gate**

Change the step length (knob value ranges from zero to the tracks Resolution setting)

### 7 ▶ **Step Indicator**

LED lights up when step is triggered

### 8 ▶ **Step Editor**

16-step sequencer; affects Velocity

### 9 ▶ **Tie**

When active, step inherits Velocity from the previous step

# Preset List

00-Init Mono  
00-Init Stereo

## Voice:

Preset Voice 1  
Preset Voice 2  
Preset Voice 3  
Preset Voice 4  
Preset Voice 5  
Preset Voice 6  
Preset Voice 7  
Preset Voice 8  
Preset Voice 9  
Preset Voice 10  
Preset Voice 11  
Preset Voice 12  
Preset Voice 13  
Preset Voice 14  
Split Voice Poly  
Split Voice Mono

## Arpeggio:

Arpollo  
Beauties Raydeen  
Daftangerine  
David Shiffer  
Double Double 1  
Double Double 2  
James Blond  
Larsoonic  
Pad Dark Arp  
Phaedra  
Portarpmento  
Soft Drink  
Staccapollo  
Toy Zarus  
Velophonic  
Wheel Canto

## Bell:

Eight Bell  
Fair Fake  
Fantabulle  
High End  
Loonatic  
Mike Old  
Mixa Brassell  
Mixabolic  
Polybell  
Proto Gital  
So Soft So  
Sparkverbell  
Very Molo

Vintage Vibe  
Wheel Dirty

## Brass:

Brass OB  
Coloring  
Eve Angelis  
Multi Face  
Orchestranaolog  
Pad Brassing  
Soft Beauty  
Steady Brass

## Bass:

Big Phatty  
Co Branding  
Damoniac  
Dead or Alive  
Funk Chiffon  
Mod Sub  
OSCar Bass  
Subwheel  
Talking B

## Chords:

Amazoniac  
Gate Happen  
Le Louvre  
Mam Bien  
Moricone  
Ring My Wheel  
Smow Lotion  
Space Bubbles  
Stepad  
Wheel to Power

## Keyboard:

Cheezy One  
Church Organ  
Creative Keys  
Darkeys  
Divine Tines  
Ever Keys  
Hybrid Old  
Hybrid Organ  
Key Rose N  
Large Keys  
Miros Clav  
Sehr Vintage  
Soft Space  
Vibe Ration

## Lead:

ApollEad  
Charisma  
Dualeado  
Funky Fraiche  
Ghost Age  
Leader Brass 1  
Leader Brass 2  
Mixer Lead  
Regalead  
So High  
Sub Lead Minal

## Pad:

Cinepad  
Da Cloud  
Extraction  
Glasswheel  
Homosapiens  
Immense  
Jack in a Pad  
LA Dreaming  
La Marina  
Mayhem Drops  
Meditate  
Octavu Wesh  
Ominous Porta  
Perma Culture  
Scary Move  
Spectral Spit  
Spectropolis  
Straight and Arp  
Stratosphonic  
Wheel Me  
Xperi Mental  
Zen Attitude

## Pluck:

Analog Hit  
Art of Fair  
Brassard Noir  
Darkitar  
Flutronic  
Freedom Speech  
Give Back Dom  
Hybrassid  
Paraphonix  
Plucked  
Polylove  
Pop Sparkon  
Seq Hans  
Stack A Novic  
Star Clav

## Strings:

Apollo String  
Hero Type  
Legatoni  
Octavanalog  
Tape String  
The Peach  
Tiny TV  
Tron Soon Euz

## Sweeps:

Brassweep  
Classic One  
Falling Down  
Simon Style  
Swarpegiator  
Sweep My Wheel 1  
Sweep My Wheel 2

## Links

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### UVI

- Home . . . . . [uvi.net/](http://uvi.net/) 
- UVI Portal. . . . . [uvi.net/uvi-portal](http://uvi.net/uvi-portal) 
- Soundbank Installation Guide . . . . . [installing\\_uvi\\_soundbanks\\_en.pdf](#) 
- UVI Workstation User Guide . . . . . [uviworkstation\\_user\\_guide\\_en.pdf](#) 
- Your Registered Product Serial Numbers and Download Links. . . . . [uvi.net/my-products](http://uvi.net/my-products) 
- FAQ . . . . . [uvi.net/faq](http://uvi.net/faq) 
- Tutorial and Demo Videos . . . . . [youtube.com/](http://youtube.com/) 
- Support . . . . . [uvi.net/contact-support](http://uvi.net/contact-support) 

### iLok

- Home . . . . . [ilok.com/](http://ilok.com/) 
- iLok License Manager . . . . . [ilok.com/ilm.html](http://ilok.com/ilm.html) 
- FAQ . . . . . [ilok.com/supportfaq](http://ilok.com/supportfaq) 

# **apollo**

## Credits and Thanks

### **Produced by UVI**

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Damien Vallet  
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Olivier Tristan  
Remy Muller

### **GUI, Design**

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### **Documents**

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UVI.NET