ATOMIC LABS

INSTRUMENT

SERAPH

Vintage-style polyphonic synthesizer

INSTRUMENT | VST3 | WINDOWS 64-BIT | 300 PRESETS | V1.0



USER MANUAL

VERSION 1.0 · 2026

01 About Seraph

Seraph is a polyphonic synth in the vintage style: two oscillators into a mixer with noise, a 4-pole ladder filter and two envelopes, with POLY-MOD and WHEEL-MOD for the classic modulation tricks.

Each of its eight voices is a slightly different 'voice card' (detune, filter, pulse width, pan, drift), so chords feel alive. It adds an arpeggiator, 16-step filter and gate sequences, a second LFO, unison, glide and effects.

TYPE	FORMAT	SIGNAL	LATENCY
Instrument	VST3 · Win x64	MIDI in → stereo out	none

FACTORY PRESETS	CONTROLS	WINDOW	VERSION
300 + Init	92 automatable	Resizable	1.0

02 Quick start

1. Pick a preset and play chords: every voice card sounds a little different.
2. SHUFFLE CARDS deals a new set of voice-card characters.
3. Use POLY-MOD for sync leads and bells.
4. Switch on the arpeggiator or the gate sequence for rhythmic patches.

INSTALLATION

Install

Copy the folder `Seraph.vst3` into `C:\Program Files\Common Files\VST3\`, then restart your DAW or rescan plug-ins. It appears under the manufacturer **Atomic Labs**.

This manual

A copy of this PDF lives inside the plug-in folder, next to `Contents`. Your DAW ignores it; it is there so the manual always travels with the plug-in.

03 The interface



Oscillators

A: saw + pulse. B: saw + triangle + pulse, with low-frequency and keyboard switches. Sync of A to B.

Mixer and Filter

Levels for A, B and noise. 4-pole ladder filter with cutoff, resonance, envelope amount and key tracking.

Envelopes

Filter and amp ADSR.

Poly-Mod and Wheel-Mod

Poly-Mod sends the filter envelope and oscillator B to A's frequency, pulse width and the filter. Wheel-Mod sends LFO / noise to both oscillators and the filter, controlled by the mod wheel.

Voice cards

Card Set (1-16) picks the characters; Card Detune, Card Filter, Card Pulse, Card Drift and Card Pan Spread set how different the voices are. SHUFFLE CARDS deals a new set.

Sequences

Arpeggiator (Up, Down, Up-Down, Random, As Played; octave range, speed, note length, hold). A 16-step Filter Sequencer (speed, depth, glide) and a 16-step Gate Sequencer (speed).

LFO 2, Voice and FX

LFO 2 with rise time and a target (pitch, filter, pulse width, amp, pan). Amp Punch, Unison, Polyphony and Glide. Distortion (tube, hard, fuzz), Multi FX (chorus, flanger, phaser), tempo delay and reverb.

04 Presets

Seraph comes with **300** factory presets in 10 categories, plus an **Init** program to start from scratch. Every preset was designed for this plug-in and level-matched, so you can browse without jumps in volume.

- **30** Vintage Brass
- **30** Strings & Pads
- **30** Poly Keys & Plucks
- **30** Sync Leads
- **30** Poly-Mod Bells & FX
- **30** Unison Bass & Leads
- **30** Arpeggios
- **30** Filter Sequences
- **30** Gated & Trance
- **30** Drifting & Broken

A FEW TO TRY

- Regal Brass
- Big Fanfare
- Classic Horns
- Proud Brass
- Slow Pad
- Silken Strings
- Distant Wash
- Glowing Pad
- Dusty Piano
- Bright Clav
- Plucky Keys
- Glassy Piano
- Snarling Lead
- Laser Sweep
- Tearing Solo
- Metallic Bell
- Robot Chime
- Hollow Mod
- Chiming Bell
- Thick Bass
- Massive Unison
- Monster Stack
- Wide Bass
- Climbing Pattern
- Rolling Run
- Bubbling Arp
- Running Pattern
- Ticking Steps
- Rhythmic Motion
- Sequenced Filter
- Gated Gate
- Euphoric Chords
- Slicing Pad
- Anthem Gate
- Worn Pad
- Drifting Poly

05 Tips

Sync lead: Sync on, Poly-Mod filter envelope to osc A frequency.

Gated trance pad: gate sequence on 16ths with some steps off.

06 Atomic Labs essentials

These work the same way in every Atomic Labs plug-in.

Preset browser

Use the arrows next to the preset name to step through the presets, or click the name to open the menu sorted by category. The current category is shown above the name.

SAVE: your presets and banks

SAVE stores the complete state as your own preset (.atp) in Documents\Atomic Labs\Seraph\Presets. From the same menu you can delete presets and export or import a whole bank (.atb) to share or back up. Your presets appear at the end of the preset menu.

DICE

DICE rolls a brand-new patch: it starts from a factory design and changes the main settings at random. Not happy? Roll again, or step back to a preset.

SIZE and resizing

Drag the bottom-right corner to resize the window, or pick a fixed zoom from SIZE. The size is remembered with the project.

Automation

Every control can be automated and is listed with its full name in your DAW. Changes are smoothed, so automation never clicks.

Project recall

The whole state (including drawn waves, patterns, steps and window size where available) is saved with your project.

STABILITY

Every Atomic Labs plug-in is tested at sample rates from 44.1 to 192 kHz and at block sizes from 1 to 8192 samples, before and after the host prepares it, and with every factory preset. The audio code never allocates memory while playing, and signals are protected against invalid values, so it stays quiet and stable in long sessions.

07 Control reference

Every automatable control as your DAW lists it, with its range and default value. Where a set of controls repeats (for example several identical layers, bands or slots), it is shown once.

General

CONTROL	RANGE / OPTIONS	DEFAULT
Sync A to B	Off · On	Off
Master Tune	-12.00 st to +12.00 st	0.00 st
Glide	Off to 1505 ms	Off
Filter Type	LP 24 · LP 12 · Band Pass · High Pass	LP 24
Cutoff	20 Hz to 20.00 kHz	893 Hz
Resonance	0 % to 100 %	20 %
Filter Env Amount	-100 % to +100 %	+40 %
Key Track	0 % to 100 %	50 %
Velocity > Filter	0 % to 100 %	20 %
Velocity > Level	0 % to 100 %	50 %
Amp Punch	0 % to 100 %	0 %
Voice Mode	Poly · Mono · Legato	Poly
Polyphony	1 to 8	8
Unison	Off · On	Off
Bend Range	0 to 24	2
Gate Sequencer On	Off · On	Off
Gate Sequencer Speed	1/32 · 1/16 · 1/8T · 1/8 · 1/8. · 1/4 · 1/2 · 1 bar · 2 bars · 4 bars	1/16
Distortion	0 % to 100 %	0 %
Distortion Type	Tube · Hard · Fuzz	Tube
Reverb	0 % to 100 %	0 %
Reverb Size	0 % to 100 %	60 %
Volume	-36.0 dB to +6.0 dB	-6.0 dB

Osc

CONTROL	RANGE / OPTIONS	DEFAULT
Osc A Frequency	-24.00 st to +24.00 st	0.00 st
Osc A Saw	Off · On	On
Osc A Pulse	Off · On	Off
Osc A Pulse Width	0 % to 100 %	50 %

Osc

CONTROL	RANGE / OPTIONS	DEFAULT
Osc B Frequency	-24.00 st to +24.00 st	0.00 st
Osc B Fine	-100 ct to +100 ct	+6 ct
Osc B Saw	Off · On	On
Osc B Triangle	Off · On	Off
Osc B Pulse	Off · On	Off
Osc B Pulse Width	0 % to 100 %	50 %
Osc B Low Frequency	Off · On	Off
Osc B Keyboard	Off · On	On

Mixer

CONTROL	RANGE / OPTIONS	DEFAULT
Mixer Osc A	0 % to 100 %	80 %
Mixer Osc B	0 % to 100 %	60 %
Mixer Noise	0 % to 100 %	0 %

Poly-Mod

CONTROL	RANGE / OPTIONS	DEFAULT
Poly-Mod Filter Env	0 % to 100 %	0 %
Poly-Mod Osc B	0 % to 100 %	0 %
Poly-Mod > Freq A	Off · On	Off
Poly-Mod > PW A	Off · On	Off
Poly-Mod > Filter	Off · On	Off

Wheel-Mod

CONTROL	RANGE / OPTIONS	DEFAULT
Wheel-Mod Amount	0 % to 100 %	0 %
Wheel-Mod LFO > Noise	0 % to 100 %	0 %
Wheel-Mod > Freq A	Off · On	On
Wheel-Mod > Freq B	Off · On	On
Wheel-Mod > PW A	Off · On	Off
Wheel-Mod > PW B	Off · On	Off
Wheel-Mod > Filter	Off · On	Off

LFO

CONTROL	RANGE / OPTIONS	DEFAULT
LFO Shape	Sine · Triangle · Saw · Square · Sample & Hold	Triangle
LFO Rate	0.010 Hz to 30.00 Hz	5.00 Hz
LFO Tempo Sync	Off · On	Off
LFO Division	1/32 · 1/16 · 1/8T · 1/8 · 1/8. · 1/4 · 1/2 · 1 bar · 2 bars · 4 bars	1/4
LFO 2 Shape	Sine · Triangle · Saw · Square · Sample & Hold	Sine
LFO 2 Rate	0.010 Hz to 30.00 Hz	0.500 Hz
LFO 2 Tempo Sync	Off · On	Off
LFO 2 Division	1/32 · 1/16 · 1/8T · 1/8 · 1/8. · 1/4 · 1/2 · 1 bar · 2 bars · 4 bars	1/2
LFO 2 Level	-100 % to +100 %	0 %
LFO 2 Rise Time	0 ms to 5.00 s	0 ms
LFO 2 Target	Pitch · Filter · Pulse Width · Amp · Pan	Filter

Filter

CONTROL	RANGE / OPTIONS	DEFAULT
Filter Drive	0 % to 100 %	20 %
Filter Attack	0 ms to 10.00 s	4 ms
Filter Decay	1 ms to 10.00 s	500 ms
Filter Sustain	0 % to 100 %	40 %
Filter Release	2 ms to 10.00 s	400 ms

Amp

CONTROL	RANGE / OPTIONS	DEFAULT
Amp Attack	0 ms to 10.00 s	4 ms
Amp Decay	1 ms to 10.00 s	500 ms
Amp Sustain	0 % to 100 %	80 %
Amp Release	2 ms to 10.00 s	400 ms

Card

CONTROL	RANGE / OPTIONS	DEFAULT
Card Detune	0 % to 100 %	30 %
Card Filter	0 % to 100 %	30 %
Card Pulse	0 % to 100 %	20 %
Card Drift	0 % to 100 %	30 %
Card Pan Spread	0 % to 100 %	50 %
Card Set	1 to 16	1

Arp

CONTROL	RANGE / OPTIONS	DEFAULT
Arp On	Off · On	Off
Arp Hold	Off · On	Off
Arp Mode	Up · Down · Up-Down · Random · As Played	Up
Arp Octave Range	1 to 4	1
Arp Speed	1/32 · 1/16 · 1/8T · 1/8 · 1/8. · 1/4 · 1/2 · 1 bar · 2 bars · 4 bars	1/16
Arp Note Length	0 % to 100 %	60 %

Filter

CONTROL	RANGE / OPTIONS	DEFAULT
Filter Sequencer On	Off · On	Off
Filter Sequencer Speed	1/32 · 1/16 · 1/8T · 1/8 · 1/8. · 1/4 · 1/2 · 1 bar · 2 bars · 4 bars	1/16
Filter Seq Depth	0 % to 100 %	50 %
Filter Seq Glide	0 % to 100 %	0 %

Multi

CONTROL	RANGE / OPTIONS	DEFAULT
Multi FX Type	Chorus · Flanger · Phaser	Chorus
Multi FX Mix	0 % to 100 %	0 %
Multi FX Depth	0 % to 100 %	50 %
Multi FX Rate	0.05 Hz to 8.00 Hz	0.23 Hz

Delay

CONTROL	RANGE / OPTIONS	DEFAULT
Delay Level	0 % to 100 %	0 %
Delay Feedback	0 % to 95 %	35 %
Delay Division	1/32 · 1/16 · 1/8T · 1/8 · 1/8. · 1/4 · 1/2 · 1 bar · 2 bars · 4 bars	1/8.

ATOMIC LABS

Seraph · Vintage-style polyphonic synthesizer

Atomic Labs makes original instruments and effects with futuristic, animated interfaces, deep sound design and hundreds of presets in every plug-in.

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