ATOMIC LABS

INSTRUMENT

ARGON

Classic subtractive synthesizer

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



USER MANUAL

VERSION 1.0 · 2026

01 About Argon

Argon is built around the simple voice of the classic small analog synths: one oscillator, one filter and two envelopes. It is kept clean and stable, with band-limited oscillators, a ladder filter that cannot blow up and envelopes that never click.

Around that core it adds a second oscillator with sync, a sub oscillator and noise, unison, an LFO with delay, poly / mono / legato modes with glide, drive, chorus, delay and reverb.

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

FACTORY PRESETS	CONTROLS	WINDOW	VERSION
300 + Init	57 automatable	Resizable	1.0

02 Quick start

1. Pick a preset from one of the ten categories (basses, leads, pads, brass, strings and more).
2. Open the filter with Cutoff and add Resonance to hear the ladder filter sing.
3. Use the filter envelope amount to make the sound pluckier or softer.
4. Switch to Mono or Legato for bass and lead lines with glide.

INSTALLATION

Install

Copy the folder `Argon.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

Oscillator 1: Wave (saw, square, pulse, triangle, sine), Range (32' to 2'), Fine, Pulse Width and Level. Oscillator 2 adds the same waves with its own range, semitone and fine tuning, and Sync to oscillator 1. Sub Level and Noise Level add depth and air. LFO > PWM moves the pulse width.

Filter

Filter Mode (LP 24, LP 12, Band Pass, High Pass), Cutoff, Resonance, Filter Drive, Key Track, Filter Env Amount and Velocity > Filter. It stays stable even at full resonance.

Envelopes

Filter and Amp envelopes, each with Attack, Decay, Sustain and Release. They restart from their current level, so fast playing never clicks.

LFO

LFO Wave, Rate (or tempo Division with Sync), and a Delay before it fades in. LFO > Pitch, LFO > Cutoff and LFO > Amp set where it goes.

Voice

Voice Mode (Poly, Mono, Legato), number of Voices, Unison with Detune and Spread, Glide, Analog Drift, Velocity > Amp and Bend Range.

Effects

Drive, Chorus (amount and rate), tempo Delay (mix, feedback, time) and Reverb (amount, size), then Volume.

04 Presets

Argon 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** One-Osc Classics
- **30** Basses
- **30** Leads
- **30** Pads
- **30** Brass
- **30** Strings
- **30** Plucks & Keys
- **30** Sync & PWM
- **30** Acid
- **30** FX & Noise

A FEW TO TRY

- Neon Tone
- Little Bass
- Tube Lead
- Retro Tone
- Fat Low
- Deep Bass
- Bouncy Line
- Thick Low
- Screaming Voice
- Laser Line
- Bright Lead
- Singing Voice
- Soft Sky
- Glass Field
- Dream Wash
- Brass Brass
- Punchy Stab
- Blazing Section
- Royal Brass
- Lush Ensemble
- Silk Strings
- Wide Bows
- Slow Ensemble
- Drop Drop
- Tick Bell
- Bell Pluck
- Pluck Drop
- Swept Pulse
- Phasing Lead
- Tearing Width
- Acid Acid
- Bubble Bass
- 303-ish Line
- Chirp Acid
- Laser Noise
- Noise FX

05 Tips

Classic bass: saw + sub, low cutoff, short filter decay, Mono.

Brass: slow filter attack with medium resonance.

Sync leads: turn on sync and move oscillator 2's pitch with the LFO or the envelope.

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\Argon\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
Sub Level	0 % to 100 %	0 %
Noise Level	0 % to 100 %	0 %
LFO > PWM	0 % to 100 %	0 %
Filter Mode	LP 24 · LP 12 · Band Pass · High Pass	LP 24
Cutoff	20 Hz to 20.00 kHz	2.52 kHz
Resonance	0 % to 100 %	20 %
Filter Drive	0 % to 100 %	0 %
Key Track	0 % to 100 %	50 %
Filter Env Amount	-100 % to +100 %	+30 %
Velocity > Filter	0 % to 100 %	30 %
Voice Mode	Poly · Mono · Legato	Poly
Voices	1 to 16	8
Glide	Off to 1505 ms	Off
Analog Drift	0 % to 100 %	15 %
Velocity > Amp	0 % to 100 %	50 %
Bend Range	0 to 12	2
Drive	0 % to 100 %	0 %
Chorus	0 % to 100 %	0 %
Chorus Rate	0 % to 100 %	30 %
Reverb	0 % to 100 %	0 %
Reverb Size	0 % to 100 %	60 %
Volume	-36.0 dB to +6.0 dB	-4.0 dB

Osc

CONTROL	RANGE / OPTIONS	DEFAULT
Osc Wave	Saw · Square · Pulse · Triangle · Sine	Saw
Osc Range	32' · 16' · 8' · 4' · 2'	8'
Osc Fine	-50.0 ct to +50.0 ct	0.0 ct
Osc Pulse Width	5 % to 95 %	50 %
Osc Level	0 % to 100 %	80 %
Osc 2 On	Off · On	Off
Osc 2 Wave	Saw · Square · Pulse · Triangle · Sine	Saw
Osc 2 Range	32' · 16' · 8' · 4' · 2'	8'
Osc 2 Semitone	-12 to 12	0
Osc 2 Fine	-50.0 ct to +50.0 ct	+7.0 ct
Osc 2 Pulse Width	5 % to 95 %	50 %
Osc 2 Level	0 % to 100 %	60 %
Osc 2 Sync	Off · On	Off

Filter

CONTROL	RANGE / OPTIONS	DEFAULT
Filter Attack	0 ms to 10.00 s	5 ms
Filter Decay	1 ms to 10.00 s	400 ms
Filter Sustain	0 % to 100 %	30 %
Filter Release	2 ms to 10.00 s	400 ms

Amp

CONTROL	RANGE / OPTIONS	DEFAULT
Amp Attack	0 ms to 10.00 s	3 ms
Amp Decay	1 ms to 10.00 s	300 ms
Amp Sustain	0 % to 100 %	80 %
Amp Release	2 ms to 10.00 s	300 ms

LFO

CONTROL	RANGE / OPTIONS	DEFAULT
LFO Wave	Sine · Triangle · Square · Saw · Sample & Hold	Sine
LFO Rate	0.05 Hz to 20.00 Hz	0.55 Hz
LFO Sync	Off · On	Off
LFO Division	1/32 · 1/16 · 1/8T · 1/8 · 1/8. · 1/4 · 1/2 · 1 bar	1/4
LFO Delay	0 % to 100 %	0 %
LFO > Pitch	0 % to 100 %	0 %
LFO > Cutoff	0 % to 100 %	0 %
LFO > Amp	0 % to 100 %	0 %

Unison

CONTROL	RANGE / OPTIONS	DEFAULT
Unison	1 to 4	1
Unison Detune	0 % to 100 %	20 %
Unison Spread	0 % to 100 %	50 %

Delay

CONTROL	RANGE / OPTIONS	DEFAULT
Delay Mix	0 % to 100 %	0 %
Delay Feedback	0 % to 90 %	35 %
Delay Time	1/32 · 1/16 · 1/8T · 1/8 · 1/8. · 1/4 · 1/2 · 1 bar	1/8



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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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