ATOMIC LABS

EFFECT

GLITCHFORGE

Step-sequenced glitch multi-effect

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



USER MANUAL

VERSION 1.0 · 2026

01 About Glitchforge

Glitchforge records the input all the time and a step sequencer in sync with the song triggers one of 25 effects per step: gate, repeat, reverse, tape stop, shuffle, lo-fi, filter, delay, pitch, slow, ring mod, distort, freeze, scratch, tonal delay, loop, X-loop, stretch, grain, tunelizer, corrupt, vocalize, zap, pitch dive and swarm.

Each effect has its own controls, mix and chance. Four patterns can be chained, and steps crossfade so the edits are sharp but never click.

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

FACTORY PRESETS	CONTROLS	WINDOW	VERSION
300 + Init	136 automatable	Resizable	1.0

02 Quick start

1. Insert Glitchforge on a beat or a loop and press Play.
2. Paint effects into the sequencer grid: each row is an effect, each column a step.
3. Set Steps and Step Rate; Swing adds groove.
4. Lower an effect's Chance so it only happens sometimes.

INSTALLATION

Install

Copy the folder `Glitchforge.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



Sequencer

Step Rate (1/4 to 1/32 with triplets), Steps, Pattern (A-D), Pattern Chain (Off, 2 patterns, all 4), Chain Length, Swing and Fill.

Effects

Every effect has two or three of its own controls (for example Repeat Division, Pitch and Decay; Tape Stop Time, Curve and Mode), a Mix and a Chance.

Output

Mix, Output, Soft Clip and Bypass.

04 Presets

Glitchforge comes with **300** factory presets, 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.

A FEW TO TRY

- Starter Glitch
- Filter Dives
- Down an Octave
- Swing Stutters
- Dark Bell A Pairs
- Major Shine Pairs
- Rising Zap Pairs
- Tight Loop Backbeat
- Wide X Backbeat
- Stretch 4x Backbeat
- Low Stretch Last 8th
- Long Grains Last 8th
- Thick Swarm Last 8th
- Dropout Offbeats
- Wah U-A Offbeats
- Rise Offbeats
- Chop Syncopated
- Pitch Riser Syncopated
- Baby Scratch Pairs
- Reverse Backbeat
- Spin-Up Backbeat
- Freeze Every Beat
- Filter Dive Roll-Up
- Fifth Down Roll-Up
- 8-Bit Offbeats
- Crunch Syncopated
- Dotted Echo Syncopated
- Atomic Shatter
- Broken Drift
- Cyber Circuit
- Neon Bloom
- Phantom Bloom
- Atomic Pulse
- Broken Storm
- Cyber Mirage
- Neon Engine

05 Tips

Classic stutter: Repeat on the last two 16ths of every bar.

Use Chance around 30 % on several effects for edits that never repeat exactly.

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\Glitchforge\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.

RANDOM / MUTATE

RANDOM / MUTATE RANDOM writes a new step pattern, MUTATE changes a few steps of the current one.

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
Step Rate	1/4 · 1/8 · 1/8 T · 1/16 · 1/16 T · 1/32	1/16
Steps	1 to 32	16
Mix	0 % to 100 %	100 %
Output	-24.0 dB to +12.0 dB	0.0 dB
Pattern	A · B · C · D	A
Bypass	Off · On	Off
Swing	0 % to 75 %	0 %
Pattern Chain	Off · 2 Patterns · All 4	Off
Chain Length	1 Bar · 2 Bars · 4 Bars	1 Bar
Fill	Off · On	Off
Soft Clip	Off · On	Off

Gate

CONTROL	RANGE / OPTIONS	DEFAULT
Gate Pulses	1 / step to 16 / step	4 / step
Gate Duty	5 % to 95 %	50 %
Gate Smooth	0.1 ms to 20.0 ms	2.1 ms
Gate Mix	0 % to 100 %	100 %
Gate Chance	0 % to 100 %	100 %

Repeat

CONTROL	RANGE / OPTIONS	DEFAULT
Repeat Division	1/1 step to 1/16 step	1/4 step
Repeat Pitch	-12.0 st to +12.0 st	0.0 st
Repeat Decay	0 % to 100 %	0 %
Repeat Mix	0 % to 100 %	100 %
Repeat Chance	0 % to 100 %	100 %

Reverse

CONTROL	RANGE / OPTIONS	DEFAULT
Reverse Speed	0.50x to 2.00x	1.00x
Reverse Length	25 % to 100 %	100 %
Reverse Fade	1 ms to 30 ms	5.35 ms
Reverse Mix	0 % to 100 %	100 %
Reverse Chance	0 % to 100 %	100 %

Tape

CONTROL	RANGE / OPTIONS	DEFAULT
Tape Stop Time	10 % step to 100 % step	82 % step
Tape Stop Curve	0 % to 100 %	30 %
Tape Stop Mode	Stop to Spin Up	Stop
Tape Stop Mix	0 % to 100 %	100 %
Tape Stop Chance	0 % to 100 %	100 %

Shuffle

CONTROL	RANGE / OPTIONS	DEFAULT
Shuffle Depth	1 steps to 8 steps	4 steps
Shuffle Rev Chance	0 % to 100 %	25 %
Shuffle Pitch Rnd	+/-0 st to +/-12 st	+/-0 st
Shuffle Mix	0 % to 100 %	100 %
Shuffle Chance	0 % to 100 %	100 %

Lo-Fi

CONTROL	RANGE / OPTIONS	DEFAULT
Lo-Fi Bits	1 bit to 16 bit	8 bit
Lo-Fi Downsample	1x to 64x	9x
Lo-Fi Mix	0 % to 100 %	100 %
Lo-Fi Mix	0 % to 100 %	100 %
Lo-Fi Chance	0 % to 100 %	100 %

Filter

CONTROL	RANGE / OPTIONS	DEFAULT
Filter Start	40 Hz to 18.0 kHz	18.0 kHz
Filter End	40 Hz to 18.0 kHz	339 Hz
Filter Reso	0 % to 100 %	60 %
Filter Mix	0 % to 100 %	100 %
Filter Chance	0 % to 100 %	100 %

Delay

CONTROL	RANGE / OPTIONS	DEFAULT
Delay Time	1/32 to 1/4 D	1/8
Delay Feedback	0 % to 95 %	52 %
Delay Wet	0 % to 100 %	60 %
Delay Mix	0 % to 100 %	100 %
Delay Chance	0 % to 100 %	100 %

Pitch

CONTROL	RANGE / OPTIONS	DEFAULT
Pitch Shift	-12 st to +12 st	+12 st
Pitch Window	20 ms to 120 ms	50 ms
Pitch Detune	0 ct to 30 ct	6 ct
Pitch Mix	0 % to 100 %	100 %
Pitch Chance	0 % to 100 %	100 %

Slow

CONTROL	RANGE / OPTIONS	DEFAULT
Slow Speed	0.25x to 1.00x	0.50x
Slow Ramp	0 % step to 100 % step	40 % step
Slow Fade	0 % to 100 %	0 %
Slow Mix	0 % to 100 %	100 %
Slow Chance	0 % to 100 %	100 %

Ring

CONTROL	RANGE / OPTIONS	DEFAULT
Ring Mod Freq	20 Hz to 3.0 kHz	315 Hz
Ring Mod Shape	Sine to Square	Sine
Ring Mod Glide	-2.0 oct to +2.0 oct	0.0 oct
Ring Mod Mix	0 % to 100 %	100 %
Ring Mod Chance	0 % to 100 %	100 %

Distort

CONTROL	RANGE / OPTIONS	DEFAULT
Distort Drive	0.0 dB to 40.0 dB	20.0 dB
Distort Tone	1.0 kHz to 18.0 kHz	7.6 kHz
Distort Fold	0 % to 100 %	0 %
Distort Mix	0 % to 100 %	100 %
Distort Chance	0 % to 100 %	100 %

Freeze

CONTROL	RANGE / OPTIONS	DEFAULT
Freeze Grain	20 ms to 300 ms	90 ms
Freeze Texture	0 % to 100 %	20 %
Freeze Pitch	-12 st to +12 st	0 st
Freeze Mix	0 % to 100 %	100 %
Freeze Chance	0 % to 100 %	100 %

Scratch

CONTROL	RANGE / OPTIONS	DEFAULT
Scratch Moves	1 / step to 8 / step	2 / step
Scratch Depth	10 ms to 250 ms	58 ms
Scratch Shape	Smooth to 100 % cut	30 % cut
Scratch Mix	0 % to 100 %	100 %
Scratch Chance	0 % to 100 %	100 %

Tonal

CONTROL	RANGE / OPTIONS	DEFAULT
Tonal Delay Note	C2 to C6	C4
Tonal Delay Feedback	0 % to 98 %	78 %
Tonal Delay Bright	0 % to 100 %	60 %
Tonal Delay Mix	0 % to 100 %	100 %
Tonal Delay Chance	0 % to 100 %	100 %

Loop

CONTROL	RANGE / OPTIONS	DEFAULT
Loop Length	1/1 step to 1/16 step	1/4 step
Loop Source	This step to 4 steps back	1 step back
Loop X-Fade	0 % to 50 %	15 %
Loop Mix	0 % to 100 %	100 %
Loop Chance	0 % to 100 %	100 %

X-Loop

CONTROL	RANGE / OPTIONS	DEFAULT
X-Loop Length	1/1 step to 1/16 step	1/4 step
X-Loop R/L Ratio	1.00x to 1.50x	1.25x
X-Loop Ping-Pong	Forward to Cross	Ping-Pong
X-Loop Mix	0 % to 100 %	100 %
X-Loop Chance	0 % to 100 %	100 %

Stretch

CONTROL	RANGE / OPTIONS	DEFAULT
Stretch Stretch	1.0x to 8.0x	2.8x
Stretch Grain	20 ms to 150 ms	72 ms
Stretch Pitch	-12 st to +12 st	0 st
Stretch Mix	0 % to 100 %	100 %
Stretch Chance	0 % to 100 %	100 %

Grain

CONTROL	RANGE / OPTIONS	DEFAULT
Grain Size	30 ms to 200 ms	81 ms
Grain Spread	50 ms to 1500 ms	485 ms
Grain Pitch Rnd	+/-0 st to +/-12 st	+/-0 st
Grain Mix	0 % to 100 %	100 %
Grain Chance	0 % to 100 %	100 %

Tunelizer

CONTROL	RANGE / OPTIONS	DEFAULT
Tunelizer Root	C2 to C4	C3
Tunelizer Chord	Octaves to Cluster	Minor
Tunelizer Reso	5 Q to 120 Q	51 Q
Tunelizer Mix	0 % to 100 %	100 %
Tunelizer Chance	0 % to 100 %	100 %

Corrupt

CONTROL	RANGE / OPTIONS	DEFAULT
Corrupt Amount	0 % to 100 %	40 %
Corrupt Type	Bit Flips to Dropouts	Bit Flips
Corrupt Events	1 ms to 81 ms	25 ms
Corrupt Mix	0 % to 100 %	100 %
Corrupt Chance	0 % to 100 %	100 %

Vocalize

CONTROL	RANGE / OPTIONS	DEFAULT
Vocalize Start	Vowel A to Vowel U	Vowel A
Vocalize End	Vowel A to Vowel U	Vowel I
Vocalize Reso	0 % to 100 %	50 %
Vocalize Mix	0 % to 100 %	100 %
Vocalize Chance	0 % to 100 %	100 %

Zap

CONTROL	RANGE / OPTIONS	DEFAULT
Zap Start	50 Hz to 4.0 kHz	2.1 kHz
Zap End	50 Hz to 4.0 kHz	96 Hz
Zap Feedback	0 % to 95 %	76 %
Zap Mix	0 % to 100 %	100 %
Zap Chance	0 % to 100 %	100 %

Pitch

CONTROL	RANGE / OPTIONS	DEFAULT
Pitch Dive Target	-24 st to +24 st	-12 st
Pitch Dive Curve	0 % to 100 %	40 %
Pitch Dive Return	One-Way to Dive & Back	One-Way
Pitch Dive Mix	0 % to 100 %	100 %
Pitch Dive Chance	0 % to 100 %	100 %

Swarm

CONTROL	RANGE / OPTIONS	DEFAULT
Swarm Motion	0 % to 100 %	40 %
Swarm Spread	5 ms to 40 ms	19 ms
Swarm Width	0 % to 100 %	80 %
Swarm Mix	0 % to 100 %	100 %
Swarm Chance	0 % to 100 %	100 %

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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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