ATOMIC LABS

EFFECT

FLANGTON

Stereo flanger with through-zero

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



USER MANUAL

VERSION 1.0 · 2026

01 About Flangton

Flangton is a stereo flanger with four modes: Classic, Through-Zero (the deepest jet sound, where the sweep passes through the dry signal), Multi and Chorus. Up to four voices create thick multi-flange textures, and the Barber Pole shapes sweep endlessly up or down.

The LFO can stop completely (0 Hz) so Manual places the notches, FREEZE holds the sweep, and an envelope follower can drive it from your playing. Delay times are smoothed so nothing zips or clicks.

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

FACTORY PRESETS	CONTROLS	WINDOW	VERSION
300 + Init	24 automatable	Resizable	1.0

02 Quick start

1. Insert Flangton on a guitar, drum bus or synth.
2. Choose a Mode and raise Feedback for a stronger jet.
3. Set the LFO Rate or sync it to the song; set it to 0 Hz and use Manual for a static comb.
4. Try the Barber Pole shapes for an endless rising sweep.

INSTALLATION

Install

Copy the folder `Flangton.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



Delay

Mode, Time, Depth, Manual and Voices (1-4).

Feedback

Feedback, Feedback Invert, Feedback Low Cut and High Cut, Drive.

LFO

Rate, Tempo Sync and Division (1/16 to 32 bars), Shape (sine, triangle, ramps, square, smooth random, envelope, barber pole up / down), Freeze, Stereo Phase and Stereo Spread.

Envelope

Envelope Sensitivity and Envelope > Sweep.

Output

Wet Invert, Width, Mix, Output and Bypass.

04 Presets

Flangton 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** Classic Flange
- **30** Through-Zero Jet
- **30** Jet Plane
- **30** Static Comb
- **30** Frozen Flange
- **30** Barber Pole
- **30** Multi & Chorus
- **30** Tempo Flange
- **30** Envelope Flange
- **30** Metallic & Extreme

A FEW TO TRY

- Classic Flange
- Blue Swirl
- Silk Sweep
- Liquid Flange
- Abbey Zero
- Zero Flange
- True Tape
- Deep Zero
- Turbine Engine
- Supersonic Roar
- Afterburner Jet
- Jet Engine
- Pipe Tone
- Tube Flange
- Tuned Pipe
- Frozen Flange
- Suspended Frame
- Frost Moment
- Crystal Flange
- Endless Spiral
- Rising Pole
- Loop Sweep
- Helix Spiral
- Twin Swirl
- Lush Voices
- Ensemble Flange
- Multi Swirl
- Quarter Pulse
- Beat Sweep
- Bar Motion
- Touch Flange
- Pluck Sweep
- Expressive Wah
- Bouncy Flange
- Chrome Comb
- Metal Flange

05 Tips

Jet plane: Through-Zero, Feedback 70 %, slow sine over 4 bars.

Static metallic comb: Rate 0, Feedback high, play with Manual.

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\Flangton\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
Mode	Classic · Through-Zero · Multi · Chorus	Classic
Time	0.05 ms to 20.0 ms	1.5 ms
Depth	0 % to 100 %	60 %
Manual	0 % to 100 %	50 %
Feedback	0 % to 97 %	50 %
Feedback Invert	Off · On	Off
Wet Invert	Off · On	Off
LFO Rate	0 Hz - static to 20.00 Hz	0.300 Hz
Tempo Sync	Off · On	Off
Sync Division	1/16 · 1/8 · 1/4 · 1/2 · 1 bar · 2 bars · 4 bars · 8 bars · 16 bars · 32 bars	1 bar
LFO Shape	Sine · Triangle · Ramp Up · Ramp Down · Square · Smooth Random · Envelope · Barber Pole Up · Barber Pole Down	Sine
Freeze	Off · On	Off
Stereo Phase	0 deg to 180 deg	45 deg
Stereo Spread	0 % to 100 %	0 %
Voices	1 · 2 · 3 · 4	2
Envelope Sensitivity	0 % to 100 %	50 %
Envelope > Sweep	-100 % to +100 %	0 %
Feedback Low Cut	20 Hz to 2.00 kHz	20 Hz
Feedback High Cut	1.00 kHz to 20.00 kHz	20.00 kHz
Drive	0 % to 100 %	0 %
Width	0 % to 200 %	100 %
Mix	0 % to 100 %	50 %
Output	-24.0 dB to +12.0 dB	0.0 dB
Bypass	Off · On	Off



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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.

Version 1.0 · VST3 for Windows 64-bit · Manual generated 2026-11-13

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