ATOMIC LABS

EFFECT

COMBUSTOR

4-voice tuned comb resonator

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



USER MANUAL

VERSION 1.0 · 2026

01 About Combustor

Combustor turns any sound into tuned resonance. Four comb-filter voices ring at chosen pitches, so drums can play chords, vocals can turn metallic and pads can shimmer.

Each voice is a stereo comb (resonator, notch or metallic allpass) with damping and a saturator inside the loop. Voices can follow a chord shape, follow incoming MIDI notes, and move with an LFO and an envelope follower. Freeze holds the ring.

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

FACTORY PRESETS	CONTROLS	WINDOW	VERSION
300 + Init	58 automatable	Resizable	1.0

02 Quick start

1. Insert Combustor on drums, a loop or a pad.
2. Choose a Harmony shape (unison, octaves, fifths, major, minor and more) and set Voice 1 Pitch to the key of the song.
3. Raise Resonance for a longer ring, lower Mix for subtle colour.
4. Turn on MIDI Track and send MIDI notes to play the resonance like an instrument.

INSTALLATION

Install

Copy the folder `Combustor.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



Voices 1-4

On, Pitch, Fine, Feedback, Damping, Level, Delay and Pan.

Tuning

Harmony (Free, Unison, Octaves, Fifths, Major, Minor, Sus4, Minor 7, Harmonics, Stretched, Cluster), MIDI Track and Glide.

Comb

Comb Type (Resonator, Notch, Metal), Resonance, Drive and Freeze.

Motion

LFO (rate, sync, division, shape, depth, stereo phase). Envelope > Pitch, Envelope > Feedback and Envelope Sensitivity.

Output

Stereo Spread, Low Cut, High Cut, Wet Width, Wet Tilt, Ducking, Delay Sync, Mix, Output and Bypass.

04 Presets

Combustor 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** Tuned Resonance
- **30** Chord Combs
- **30** Metallic
- **30** Flanger & Jet
- **30** Robot & Vocal
- **30** Drone & Freeze
- **30** Psy Motion
- **30** Drum Tuning
- **30** Ambient Shimmer
- **30** Lo-Fi & Grit

A FEW TO TRY

- Singing Resonator A
- Golden Glow G
- Pure Ring C
- Glass Tone E
- Suspended Pad A
- Major Harp G
- Night Chord C
- Dream Strum E
- Anvil Shard
- Anvil Rod
- Anvil Gong
- Gong Bell
- Tunnel Jet
- Tunnel Flanger
- Tunnel Sweep
- Robot Talk
- Unit Speech
- Unit Throat
- Unit Mouth
- Eternal Freeze F
- Drone Drone A
- Stillness Bed G
- Glacier Field C
- Fractal Steps
- Fractal Pulse
- Fractal Ripple
- Forest Motion
- Perc Tuner
- Perc Hit
- Perc Boom
- Shimmer Bloom
- Cloud Sparkle
- Cloud Air
- Cloud Shimmer
- Crunch Comb
- Crunch Hum

05 Tips

Tuned drums: Harmony = Minor, Resonance 70 %, Mix 40 %.

Flanger and jet sounds: Notch type with the LFO on pitch.

Freeze on a single hit makes an instant drone.

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\Combustor\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
Harmony	Free · Unison · Octaves · Fifths · Major · Minor · Sus4 · Minor 7 · Harmonics · Stretched · Cluster	Free
MIDI Track	Off · On	Off
Glide	1 ms to 2.00 s	50 ms
Comb Type	Resonator · Notch · Metal	Resonator
Resonance	0 % to 100 %	100 %
Drive	0 % to 100 %	10 %
Freeze	Off · On	Off
Stereo Spread	0 % to 100 %	10 %
Low Cut	20 Hz to 2.00 kHz	20 Hz
High Cut	200 Hz to 20.00 kHz	20.00 kHz
Mix	0 % to 100 %	50 %
Output	-24.0 dB to +12.0 dB	0.0 dB
Bypass	Off · On	Off
Delay Sync	Off · On	Off
Ducking	0 % to 100 %	0 %
Wet Width	0 % to 200 %	100 %
Wet Tilt	-100 % to +100 %	0 %

LFO

CONTROL	RANGE / OPTIONS	DEFAULT
LFO Rate	0.02 Hz to 20.00 Hz	0.16 Hz
LFO Sync	Off · On	Off
LFO Division	1/32 · 1/16 · 1/8T · 1/8 · 1/4 · 1/2 · 1 bar · 2 bars · 4 bars	1/4
LFO Shape	Sine · Triangle · Saw · Square · Sample & Hold · Drift	Sine
LFO Depth	0.00 st to 12.00 st	0.00 st
LFO Stereo Phase	0 deg to 180 deg	45 deg

Envelope

CONTROL	RANGE / OPTIONS	DEFAULT
Envelope > Pitch	-100 % to +100 %	0 %
Envelope > Feedback	-50 % to +50 %	0 %
Envelope Sensitivity	0 % to 100 %	50 %

Voice 1–4

4 identical sets - Voice 1 shown

CONTROL	RANGE / OPTIONS	DEFAULT
On	Off · On	On
Pitch	C1 to C8	C3
Fine	-50.0 ct to +50.0 ct	0.0 ct
Feedback	-100 % to +100 %	+85 %
Damping	0 % to 100 %	30 %
Level	0 % to 100 %	80 %
Delay	Off to 1000 ms	Off
Pan	L100 to R100	C



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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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