ATOMIC LABS

EFFECT

REACTOR

4-band multiband dynamics

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



USER MANUAL

VERSION 1.0 · 2026

01 About Reactor

Reactor splits the sound into four bands and gives each band both downward compression (tames what is too loud) and upward compression (lifts quiet detail).

A final soft-knee limiter with ceiling protects the output. Mid/side mode lets you treat the centre and the sides separately.

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

FACTORY PRESETS	CONTROLS	WINDOW	VERSION
300 + Init	54 automatable	Resizable	1.0

02 Quick start

1. Insert Reactor on the master or a bus.
2. Set the three crossover points.
3. Lower a band's Threshold to compress it; raise its Upward Threshold to bring up quiet detail.
4. Use Depth to scale all processing at once.

INSTALLATION

Install

Copy the folder `Reactor.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



Bands (Low, Low-Mid, High-Mid, High)

Threshold, Ratio, Upward Threshold, Upward Ratio, Attack, Release, Knee, Gain, Solo, Bypass and Mute.

Crossovers

Crossover Low, Mid and High.

Global

Input, Output, Depth, Mid/Side, Limiter with Ceiling, and Bypass.

04 Presets

Reactor 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

- Master Glue
- Master Loud Heavy
- Master Punch Slow
- Master Bright
- Master Open Heavy
- EDM Master Slow
- Rock Master
- Classical Master Heavy
- Mix Bus Glue Slow
- Mix Bus De-Harsh
- Mix Bus Energy Heavy
- Mix Bus Smooth Slow
- Drum Punch
- Kick Tightener Heavy
- Snare Snap Slow
- Overheads Control
- Bass Even Heavy
- Bass Growl Control Slow
- 808 Glue
- Vocal Leveler Heavy
- Vocal De-Ess Slow
- Rap Vocal Control
- Podcast Voice Heavy
- Acoustic Guitar Smooth Slow
- Piano Even
- Synth Pad Breathe Heavy
- Lead Synth Control Slow
- Hyper Light
- Detail Lifter Heavy
- Air Lifter Slow
- M-S Wide Master
- M-S Tight Center Heavy
- M-S Side Air Slow
- M-S Balance
- Pumping Bands Heavy
- Breathing Air Slow

05 Tips

Tighten the low end: low band ratio 3:1 with a slow release.

Bring up room sound: upward compression on the high-mid band.

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\Reactor\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.

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
Input	-24.0 dB to +24.0 dB	0.0 dB
Output	-24.0 dB to +24.0 dB	0.0 dB
Depth	0 % to 100 %	100 %
Mid/Side	Off · On	Off
Limiter	Off · On	On
Ceiling	-12.0 dB to 0.0 dB	-0.3 dB
Bypass	Off · On	Off

Low

CONTROL	RANGE / OPTIONS	DEFAULT
Low Threshold	-60.0 dB to 0.0 dB	-18.0 dB
Low Ratio	Off to 20.0:1	2.0:1
Low Upward Threshold	-80.0 dB to -10.0 dB	-60.0 dB
Low Upward Ratio	Off to 10.0:1	Off
Low Attack	0.1 ms to 200 ms	10 ms
Low Release	5.0 ms to 2000 ms	120 ms
Low Knee	0.0 dB to +24.0 dB	+6.0 dB
Low Gain	-24.0 dB to +24.0 dB	0.0 dB
Low solo	Off · On	Off
Low bypass	Off · On	Off
Low mute	Off · On	Off

Low-Mid

CONTROL	RANGE / OPTIONS	DEFAULT
Low-Mid Threshold	-60.0 dB to 0.0 dB	-18.0 dB
Low-Mid Ratio	Off to 20.0:1	2.0:1
Low-Mid Upward Threshold	-80.0 dB to -10.0 dB	-60.0 dB
Low-Mid Upward Ratio	Off to 10.0:1	Off
Low-Mid Attack	0.1 ms to 200 ms	10 ms
Low-Mid Release	5.0 ms to 2000 ms	120 ms
Low-Mid Knee	0.0 dB to +24.0 dB	+6.0 dB
Low-Mid Gain	-24.0 dB to +24.0 dB	0.0 dB
Low-Mid solo	Off · On	Off
Low-Mid bypass	Off · On	Off
Low-Mid mute	Off · On	Off

High-Mid

CONTROL	RANGE / OPTIONS	DEFAULT
High-Mid Threshold	-60.0 dB to 0.0 dB	-18.0 dB
High-Mid Ratio	Off to 20.0:1	2.0:1
High-Mid Upward Threshold	-80.0 dB to -10.0 dB	-60.0 dB
High-Mid Upward Ratio	Off to 10.0:1	Off
High-Mid Attack	0.1 ms to 200 ms	10 ms
High-Mid Release	5.0 ms to 2000 ms	120 ms
High-Mid Knee	0.0 dB to +24.0 dB	+6.0 dB
High-Mid Gain	-24.0 dB to +24.0 dB	0.0 dB
High-Mid solo	Off · On	Off
High-Mid bypass	Off · On	Off
High-Mid mute	Off · On	Off

High

CONTROL	RANGE / OPTIONS	DEFAULT
High Threshold	-60.0 dB to 0.0 dB	-18.0 dB
High Ratio	Off to 20.0:1	2.0:1
High Upward Threshold	-80.0 dB to -10.0 dB	-60.0 dB
High Upward Ratio	Off to 10.0:1	Off
High Attack	0.1 ms to 200 ms	10 ms
High Release	5.0 ms to 2000 ms	120 ms
High Knee	0.0 dB to +24.0 dB	+6.0 dB
High Gain	-24.0 dB to +24.0 dB	0.0 dB
High solo	Off · On	Off
High bypass	Off · On	Off
High mute	Off · On	Off

Crossover

CONTROL	RANGE / OPTIONS	DEFAULT
Crossover Low	40 Hz to 1.00 kHz	120 Hz
Crossover Mid	200 Hz to 6.00 kHz	1.00 kHz
Crossover High	1.50 kHz to 16.00 kHz	6.00 kHz



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Reactor · 4-band multiband dynamics

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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