ATOMIC LABS

EFFECT

DUALIS

Dual low-pass + high-pass resonant filter

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



USER MANUAL

VERSION 1.0 · 2026

01 About Dualis

Dualis puts a low-pass and a high-pass filter side by side, each with its own slope (12, 24, 48 or 96 dB per octave) and its own resonance peak with an adjustable width. In Band mode they run in series (band-pass), in Notch mode in parallel.

Link moves both cutoffs together, an LFO and an envelope follower move them automatically, and drive can sit before or after the filters. The filters are stable at any setting and can be modulated fast without zipper noise.

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

FACTORY PRESETS	CONTROLS	WINDOW	VERSION
300 + Init	28 automatable	Resizable	1.0

02 Quick start

1. Insert Dualis and drag the two handles in the display: left = high-pass, right = low-pass.
2. Turn on Link and sweep both together for DJ-style filter moves.
3. Use the LFO (synced) for rhythmic sweeps.
4. Switch Filter Mode to Notch for phaser-like cuts.

INSTALLATION

Install

Copy the folder `Dualis.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



Low-pass

Frequency, Resonance, Res. Width (in octaves) and Slope.

High-pass

Frequency, Resonance, Res. Width and Slope.

Mode and drive

Filter Mode (Band or Notch), Link Filters, Drive and Drive Position (pre or post).

Modulation

LFO Rate or tempo Division, Shape, Stereo Phase, LFO > LowPass and LFO > HighPass. Envelope > LowPass and > HighPass with Attack and Release.

Output

Input Gain, Output Gain, Mix, Soft Clip and Bypass.

04 Presets

Dualis 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

- Warm Low Pass 24
- Auto-Wah Band
- Stereo Drift
- Sub Wide Band 96
- Warm Band 48
- Mid Wide Band 24
- Present Wide Band 96
- Air Band 48
- LP Warm Smooth
- LP Mid Brick
- LP Bright Resonant
- LP Air Driven
- HP Low Steep
- HP Mid Smooth
- HP Present Brick
- Low Notch
- Warm Deep Scoop
- Present Scoop
- Air Narrow Notch
- Twin Peak Low
- Whistle Mid
- Glass Present
- Formant Air
- Sine Motion 1/4T
- Triangle Motion 1/2
- Saw Motion 2 Bars
- Saw Motion 1/32
- Square Motion 1/8T
- S&H Motion 1/4T
- Duck Dark 1
- Quack 2
- Touch Band 4
- Duck Dark 5
- Crunch Warm
- Fuzz Mid
- Tube Bright

05 Tips

Telephone voice: high-pass at 400 Hz and low-pass at 3 kHz, both 24 dB.

Breakdown sweep: automate the low-pass down with 96 dB slope and a little resonance.

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\Dualis\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 Gain	-24.0 dB to +12.0 dB	0.0 dB
Output Gain	-24.0 dB to +12.0 dB	0.0 dB
Link Filters	Off · On	Off
Filter Mode	Band · Notch	Band
Drive	0 % to 100 %	0 %
Drive Position	Pre · Post	Pre
Mix	0 % to 100 %	100 %
Soft Clip	Off · On	Off
Bypass	Off · On	Off

LowPass

CONTROL	RANGE / OPTIONS	DEFAULT
LowPass Frequency	40.0 Hz to 22.0 kHz	22.0 kHz
LowPass Resonance	0 % to 100 %	0 %
LowPass Res. Width	0.54 oct to 1.50 oct	1.00 oct
LowPass Slope	12 dB · 24 dB · 48 dB · 96 dB	24 dB

HighPass

CONTROL	RANGE / OPTIONS	DEFAULT
HighPass Frequency	10.0 Hz to 22.0 kHz	10.0 Hz
HighPass Resonance	0 % to 100 %	0 %
HighPass Res. Width	0.54 oct to 1.50 oct	1.00 oct
HighPass Slope	12 dB · 24 dB · 48 dB · 96 dB	24 dB

LFO

CONTROL	RANGE / OPTIONS	DEFAULT
LFO Rate	0.010 Hz to 20.00 Hz	1.00 Hz
LFO Sync	Off · On	Off
LFO Division	4/1 · 2/1 · 1/1 · 1/2 · 1/4 · 1/4 T · 1/8 · 1/8 T · 1/16 · 1/32	1/4
LFO Shape	Sine · Triangle · Saw · Square · S&H	Sine
LFO Stereo Phase	0° to 180°	0°
LFO > LowPass	-4.00 oct to +4.00 oct	0.00 oct
LFO > HighPass	-4.00 oct to +4.00 oct	0.00 oct

Envelope

CONTROL	RANGE / OPTIONS	DEFAULT
Envelope > LowPass	-4.00 oct to +4.00 oct	0.00 oct
Envelope > HighPass	-4.00 oct to +4.00 oct	0.00 oct
Envelope Attack	0.1 ms to 200 ms	5.0 ms
Envelope Release	5.0 ms to 2000 ms	150 ms



ATOMIC LABS

Dualis · Dual low-pass + high-pass resonant filter

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

VST is a trademark of Steinberg Media Technologies GmbH. All other names are the property of their owners.