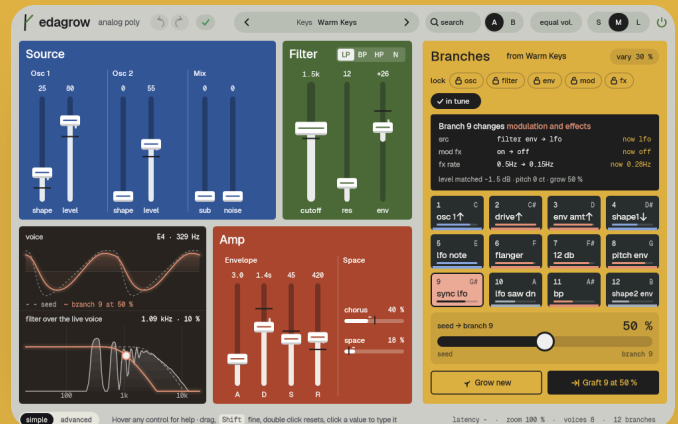


edagrow manual

Instrument, analog-style synth · version 0.3.6

Polyphonic analog-style synth: twelve branches grow from every sound.



What it does

edagrow is an analog-style polysynth: two oscillators, sub and noise, a ladder filter with four modes, two envelopes, an LFO, an arpeggiator and two effects. Its own trick is **branches**: from every sound grow 12 variants, one per key of an octave, all at the same loudness. Listen, pick one, move toward it with **Grow** and graft it into the sound with **Graft**.

From every sound grow twelve variations at the same volume, one per key. Listen, bring the one you like closer with Grow, and graft it into the sound with Graft. Before 19 October 2026 it was called GRAFT; sessions and presets made with the old name open as before.

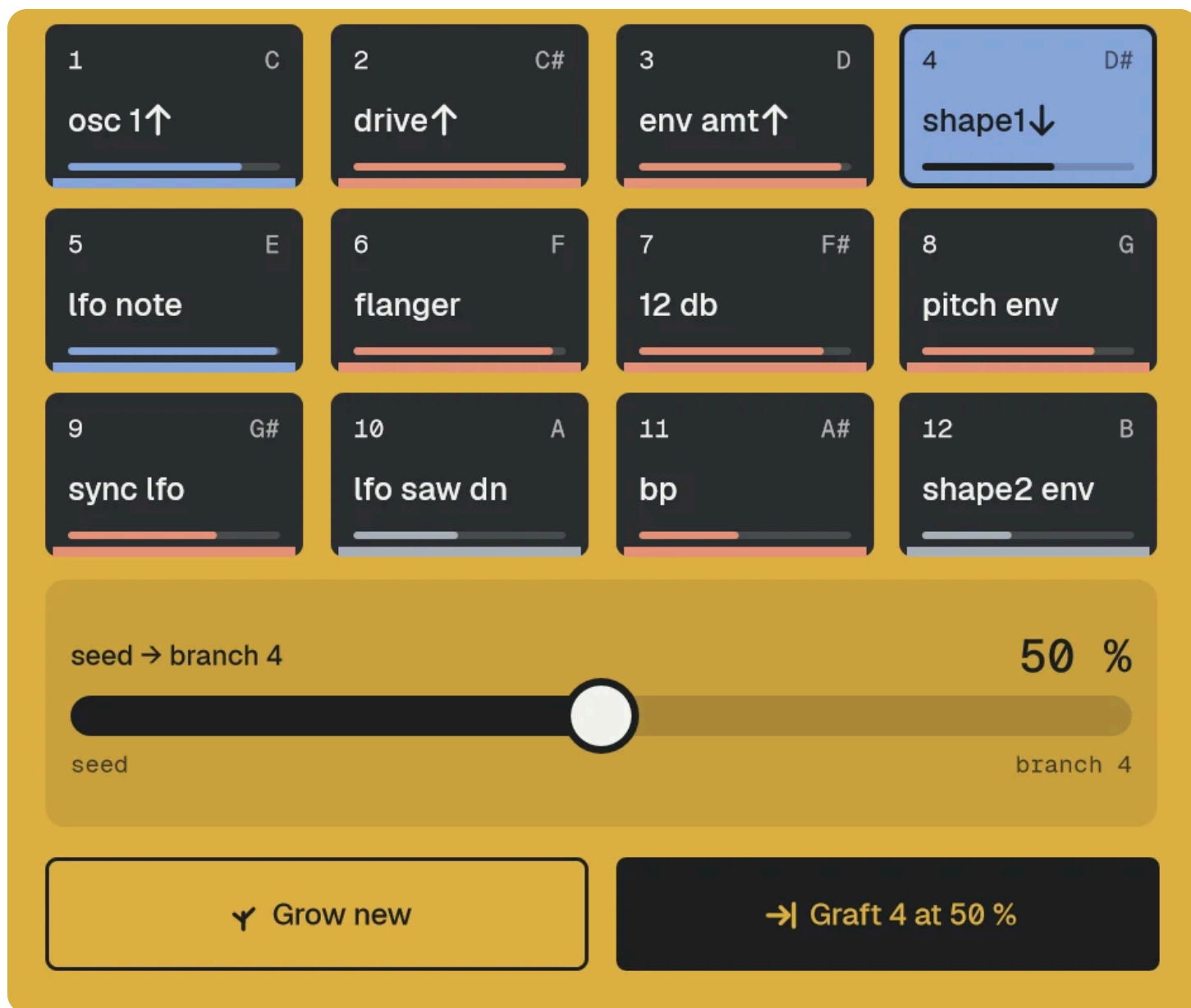
- Click a pad to hear its branch; the biggest change is written on it.
- Grow moves the sound from the seed towards the branch while you play.
- Two oscillators, sub and noise, a ladder filter with four modes, an arpeggiator.

Quick start

- 1 Pick a **preset** from the capsule at the top.
- 2 Click a **pad** in the yellow *Branches* field: you hear a short phrase with that branch.
- 3 Drag **Grow** (seed → branch) to the right, then press **Graft**: what you hear becomes the sound and 12 new branches grow.

The display

The warm glass box has two layers. **voice**: two periods of the voice, the seed dashed and the sound at the current Grow in the branch colour; it moves while you drag Grow, even silent. **filter over the live voice**: the spectrum of the latest voice with the filter response on top and, dashed, where the envelope takes the cutoff now. Drag the handle sideways for cutoff, up and down for resonance.



Twelve branches. From every sound grow twelve variations at the same volume, one per key from C to B. Each pad names its biggest change; click one to hear a short phrase with it. The seed → branch bar moves the sound towards it while you play, and seed under the bar plays the original. Graft makes it the new sound, Grow new grows twelve more.

Branches

from Warm Keys

vary

30 %

lock

osc

filter

env

mod

fx

✓ in tune

Branch 4 changes oscillators and filter

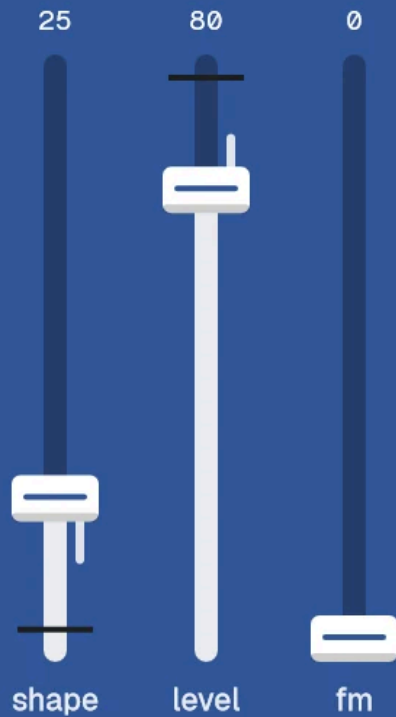
shape1	25 % → 2 %	now 13 %
env amt	+26 % → +72 %	now +49 %
sustain	45 % → 67 %	now 56 %
res	12 % → 32 %	now 22 %

level matched -3.6 dB · pitch 0 ct · grow 50 %

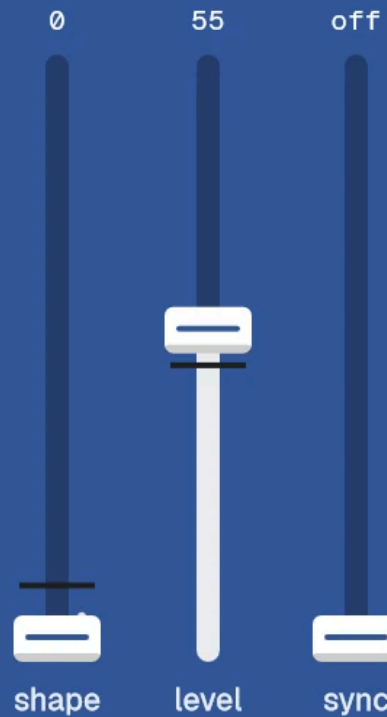
What a branch changes. The box lists what the branch changes most, from the seed value to the branch value, and on the right the value now, at the current Grow. vary sets how far the next branches grow, lock keeps a group as in the seed, in tune keeps them in tune.

Source

Osc 1



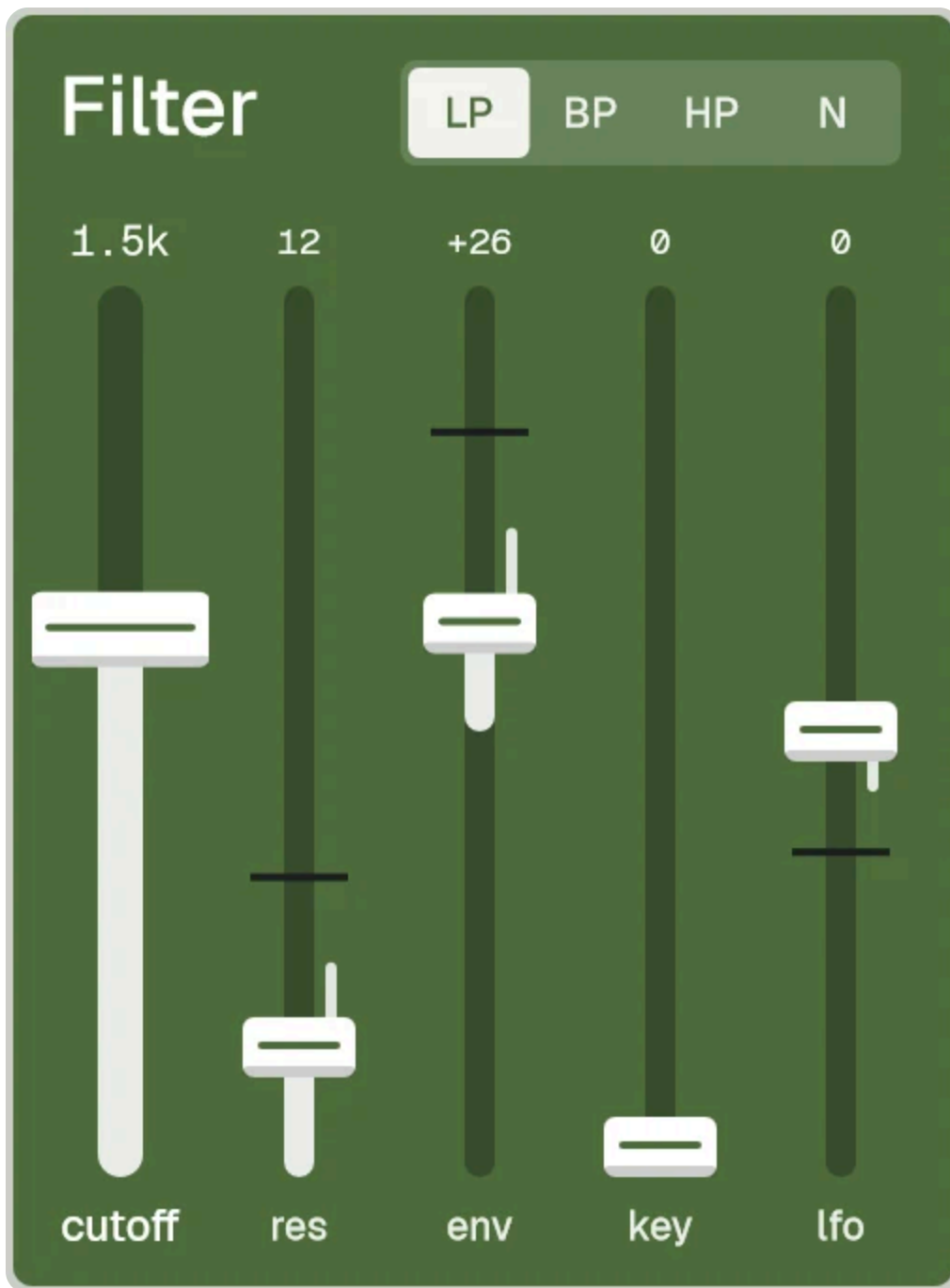
Osc 2



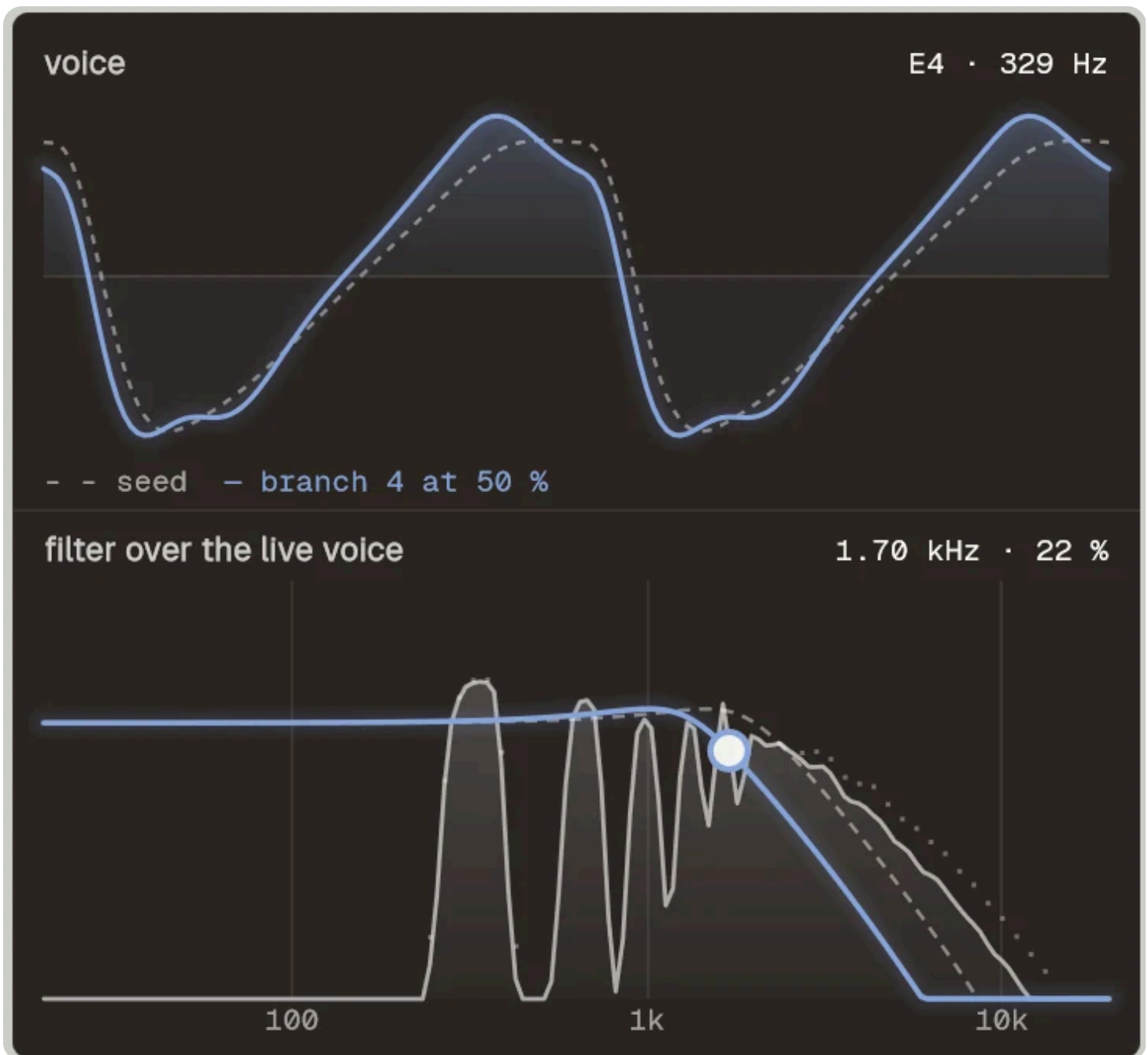
Mix



Source. Two oscillators, sub and noise on vertical faders, value on top, with fm, sync and drive. Shape runs from triangle to saw to square to a narrow pulse; a dark mark shows where the chosen branch would take each control.



Filter. A ladder filter with LP, BP, HP and notch. cutoff is the wide fader, res the resonance (above 95 % it self-oscillates), env how far the envelope moves the cutoff.



Voice and filter. voice draws two periods of the sound: dashed the seed, solid the sound at the current Grow, and it moves while you drag Grow. Below, the spectrum of the latest voice with the filter curve on top; the dashed curve is where the envelope takes the cutoff now. Drag the handle for cutoff and resonance.

Amp

Envelope

3.0



A

1.4s



D

45



S

420



R

Space

chorus

40 %



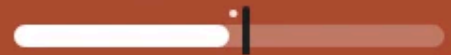
space

18 %



velocity

50 %



Amp. A, D, S and R of the amplitude envelope, and the amount of Mod FX (chorus, phaser or flanger) and Space. advanced, in the footer, opens the rest: detail, lfo and mod, voices, arp and effects.

Every picture on this page is a capture of the real interface, from the current build.

Controls

The names are the ones your DAW shows for automation, read from the plugin itself; ranges and defaults are the plugin's own. Every knob: drag (Shift for fine), wheel for small steps, double-click for the default, Enter or a click on the value to type it with units (`6k3` , `250ms` , `-3 dB`).

Main controls

Control	Range	Default	What it does
Grow	0.0 % to 100.0 %	0.0 %	How far the sound moves from the seed toward the chosen branch.
Branch	1 to 12	1	The chosen branch, 1 to 12.
Vary	0.0 % to 100.0 %	30.0 %	How far the next branches grow.
Osc 1-2 Shape ×2	0.0 % to 100.0 %	25.0 %	Triangle (0) to saw (25) to square (50) to a narrow pulse (100). Osc 1 and Osc 2.
Osc 1-2 Level ×2	0.0 % to 100.0 %	Osc 1: 80.0 %, Osc 2: 0.0 %	Oscillator level.
Osc 1 FM	0.0 % to 100.0 %	0.0 %	Osc 2 modulates the phase of Osc 1.
Osc 2 Sync	off to +36.0 st	off	Osc 2 synced, up to +36 semitones.
Sub Level	0.0 % to 100.0 %	0.0 %	Sub one octave below Osc 1, sine or square.
Noise Level	0.0 % to 100.0 %	0.0 %	Noise, white or pink.
Drive	0.0 dB to 24.0 dB	0.0 dB	Saturation before the filter.
Filter Mode	LP · BP · HP · Notch	LP	LP, BP, HP or Notch.
Filter Cutoff	20.0 Hz to 20.0 kHz	20.0 kHz	Cutoff frequency.
Filter Resonance	0.0 % to 100.0 %	0.0 %	Above 95 % the filter self-oscillates.
Filter Env	-100.0 % to 100.0 %	0.0 %	How much the filter envelope moves the cutoff, also inverted.
Amp Attack	0.00 ms to 20.00 s	1.00 ms	Amplitude envelope (A, D, S, R).
Analog	0.0 % to 100.0 %	25.0 %	Small per-voice differences and a slow drift, identical on every transport start.
Unison	Off · 2 · 4 · 8	Off	Off, 2, 4 or 8.
Arp On	Off · On	Off	Arpeggiator: up, down, up-down, random, as played; 1 to 4 octaves.
Mod FX Type	Chorus · Phaser · Flanger	Chorus	Chorus, Phaser or Flanger.
Space Type	Delay · Delay Sync · Room · Hall	Hall	Delay, Delay Sync, Room or Hall.

Control	Range	Default	What it does
Quality	Eco · High · Studio	High	Eco (1x), High (2x) or Studio (4x). Latency 0 at every quality.
Wheel Target	Vibrato · Cutoff · Grow	Vibrato	Mod wheel: vibrato, cutoff or grow.
Master Volume	-inf dB to 6.0 dB	-6.0 dB	Final level.

Every parameter (85)

Numbered parameters are grouped in one row (for example Band 1-8), with the number of copies.

Parameter	Range	Default
Master Volume	-inf dB to 6.0 dB	-6.0 dB
Polyphony	1 to 16	8
Voice Mode	Poly · Mono · Legato	Poly
Glide	off to 5.00 s	off
Bend Range	1 st to 24 st	2 st
Quality	Eco · High · Studio	High
Tune	-100.0 cent to +100.0 cent	0.0 cent
Analog	0.0 % to 100.0 %	25.0 %
Phase Reset	Off · On	Off
Unison	Off · 2 · 4 · 8	Off
Unison Detune	0.0 cent to +50.0 cent	+12.0 cent
Voice Spread	0.0 % to 100.0 %	30.0 %
Wheel Target	Vibrato · Cutoff · Grow	Vibrato
Wheel Amount	0.0 % to 100.0 %	30.0 %
Bypass	Off · On	Off
Osc 1-2 Shape ×2	0.0 % to 100.0 %	25.0 %
Osc 1-2 Coarse ×2	-24 st to +24 st	0 st
Osc 1-2 Fine ×2	-100.0 cent to +100.0 cent	0.0 cent
Osc 1-2 Level ×2	0.0 % to 100.0 %	Osc 1: 80.0 %, Osc 2: 0.0 %
Osc 1 FM	0.0 % to 100.0 %	0.0 %

Parameter	Range	Default
Osc 2 Sync	off to +36.0 st	off
Sub Level	0.0 % to 100.0 %	0.0 %
Sub Shape	Sine · Square	Sine
Noise Level	0.0 % to 100.0 %	0.0 %
Noise Color	White · Pink	White
Drive	0.0 dB to 24.0 dB	0.0 dB
Filter Mode	LP · BP · HP · Notch	LP
Filter Slope	12 dB · 24 dB	24 dB
Filter Cutoff	20.0 Hz to 20.0 kHz	20.0 kHz
Filter Resonance	0.0 % to 100.0 %	0.0 %
Filter Env	-100.0 % to 100.0 %	0.0 %
Filter Keytrack	0.0 % to 100.0 %	0.0 %
Filter Velocity	0.0 % to 100.0 %	0.0 %
Filter LFO	-100.0 % to 100.0 %	0.0 %
Filter Attack	0.00 ms to 20.00 s	1.00 ms
Filter Decay	1.00 ms to 30.00 s	300 ms
Filter Sustain	0.0 % to 100.0 %	0.0 %
Filter Release	1.00 ms to 30.00 s	300 ms
Amp Attack	0.00 ms to 20.00 s	1.00 ms
Amp Decay	1.00 ms to 30.00 s	300 ms
Amp Sustain	0.0 % to 100.0 %	100.0 %
Amp Release	1.00 ms to 30.00 s	50.0 ms
Amp Velocity	0.0 % to 100.0 %	50.0 %
LFO Shape	Triangle · Saw Down · Saw Up · Square · Sample & Hold · Smooth Random	Triangle
LFO Rate	0.05 Hz to 50.0 Hz	5.00 Hz
LFO Sync	Off · On	Off
LFO Division	4/1 · 2/1 · 1/1 · 1/2 · 1/4 D · 1/2 T · 1/4 · 1/8 D · 1/4 T · 1/8 · 1/16 D · 1/8 T · 1/16 · 1/16 T · 1/32	1/8

Parameter	Range	Default
LFO Retrigger	Free · Note	Free
Pitch Mod	-48.00 st to +48.00 st	0.00 st
Pitch Mod Source	LFO · Filter Env	LFO
Shape 1-2 Mod ×2	-100.0 % to 100.0 %	0.0 %
Shape 1-2 Mod Source ×2	LFO · Filter Env	LFO
FM Mod	0.0 % to 100.0 %	0.0 %
FM Mod Source	LFO · Filter Env	Filter Env
Sync Mod	0.0 st to +36.0 st	0.0 st
Sync Mod Source	LFO · Filter Env	Filter Env
Arp On	Off · On	Off
Arp Mode	Up · Down · Up-Down · Random · As Played	Up
Arp Octaves	1 to 4	1
Arp Division	1/4 · 1/8 D · 1/4 T · 1/8 · 1/16 D · 1/8 T · 1/16 · 1/16 T · 1/32	1/16
Arp Gate	10.0 % to 100.0 %	75.0 %
Arp Swing	0.0 % to 75.0 %	0.0 %
Arp Latch	Off · On	Off
Mod FX On	Off · On	Off
Mod FX Type	Chorus · Phaser · Flanger	Chorus
Mod FX Rate	0.05 Hz to 10.0 Hz	0.50 Hz
Mod FX Depth	0.0 % to 100.0 %	50.0 %
Mod FX Mix	0.0 % to 100.0 %	50.0 %
Space On	Off · On	Off
Space Type	Delay · Delay Sync · Room · Hall	Hall
Space Mix	0.0 % to 100.0 %	20.0 %
Delay Time	20.0 ms to 2.00 s	375 ms
Delay Division	1/32 · 1/16 T · 1/16 · 1/8 T · 1/16 D · 1/8 · 1/4 T · 1/8 D · 1/4 · 1/4 D · 1/2 · 1 bar	1/8 D
Delay Feedback	0.0 % to 92.0 %	35.0 %

Parameter	Range	Default
Reverb Decay	0.20 s to 20.0 s	2.50 s
Space Tone	1.00 kHz to 16.0 kHz	6.00 kHz
Vary	0.0 % to 100.0 %	30.0 %
Grow	0.0 % to 100.0 %	0.0 %
Branch	1 to 12	1

Presets

Init plus 40 presets in 8 categories, each at -16 LUFS with its twelve branches already grown.

Bass

Keys

Warm Keys

Pad

Pluck

Lead

Brass

Arp

FX

Click the preset capsule in the top bar to open the **preset sheet**: search (every word must appear in the name, category or description), categories with their counts, ★ **Favourites**, tags on every row, and **in B**, which loads a preset into the slot that is not playing so you can compare. A click loads a preset and leaves the sheet open;   move,  loads and closes,  closes. The arrows < > beside the capsule step through the list; a dot says the sound was changed.

All 41 programs, as the DAW lists them

- Init

Keys / Tine Keys

Bass / 808 Glide

Keys / Lo-Fi EP

Bass / Lo-Fi Sub

Keys / R&B Clav

Bass / Boom Bap Bass

Keys / Square Keys

Bass / House Organ Bass

Keys / Gospel Organ

Bass / Acid Tape

Pad / Night Strings

Bass / Reese Drift

Pad / Lo-Fi Haze

Keys / Warm Keys

Pad / Glass Pad

Pad / Warm Analog Pad

Pad / Choir Air

Pad / Sync Sweep Pad

Pluck / Trap Bell

Pluck / House Pluck

Pluck / Boom Bap Pizz

Pluck / Kalimba Drop

Pluck / Muted Guitar

Lead / Sync Lead

Lead / Soft Whistle

Lead / House Saw Lead

Lead / G-Funk Lead

Lead / FM Grit Lead

Brass / Poly Brass

Brass / Soft Horns

Brass / Brass Stab

Brass / Synth Trumpet

Arp / Trap Arp Bells

Arp / House Arp

Arp / Lo-Fi Arp

Arp / Random Glass

FX / Noise Riser

FX / Laser Zap

FX / Wind Sweep

FX / Space Drone

A/B and undo

A and **B** hold two complete settings. **equal vol.** plays B at the loudness of A, so louder never fools you. **in B** in the preset sheet loads a preset straight into the other slot. Undo and redo (the curved arrows, **Ctrl** + **Z** and **Ctrl** + **Shift** + **Z**) are kept separately for A and B; switching slot is not a step.

Listen modes

edagrow has no delta mode. Click the word **seed** under Grow to hear the same phrase with the seed, and a pad to hear its branch.

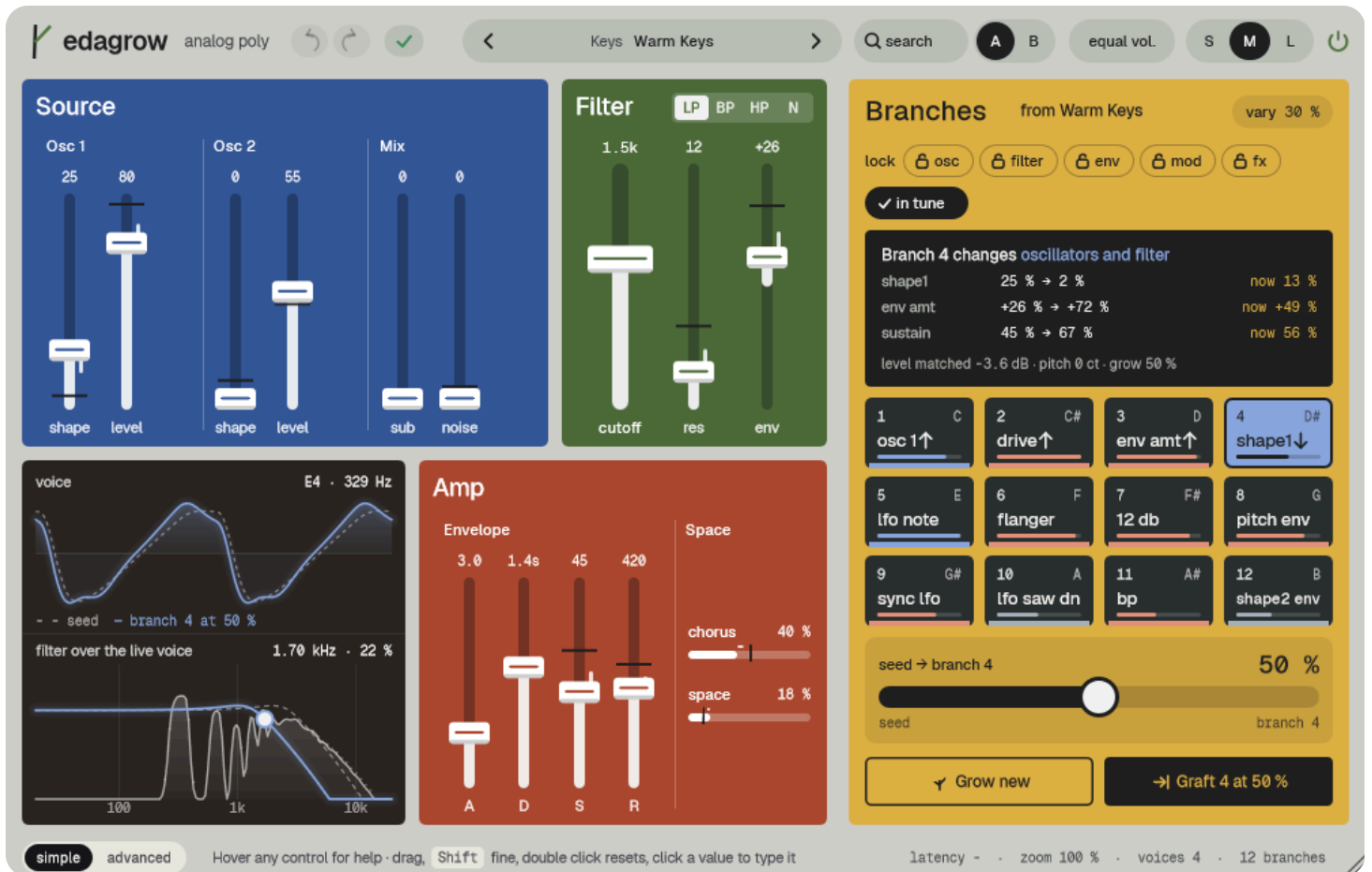
Simple, advanced and sizes

simple keeps the panel (Source, Filter, Amp), the voice and filter box and the branches. **advanced** opens a drawer with *detail* (coarse, fine, fm, sync, drive, keytrack, sub shape, noise colour, slope, filter envelope), *lfo and mod*, *voices* (voices, glide, bend, unison, analog, tune, quality, volume), *arp*, *effects* and, at S, *sound*. edagrow remembers the view and the tab in its editor settings, never in the project.

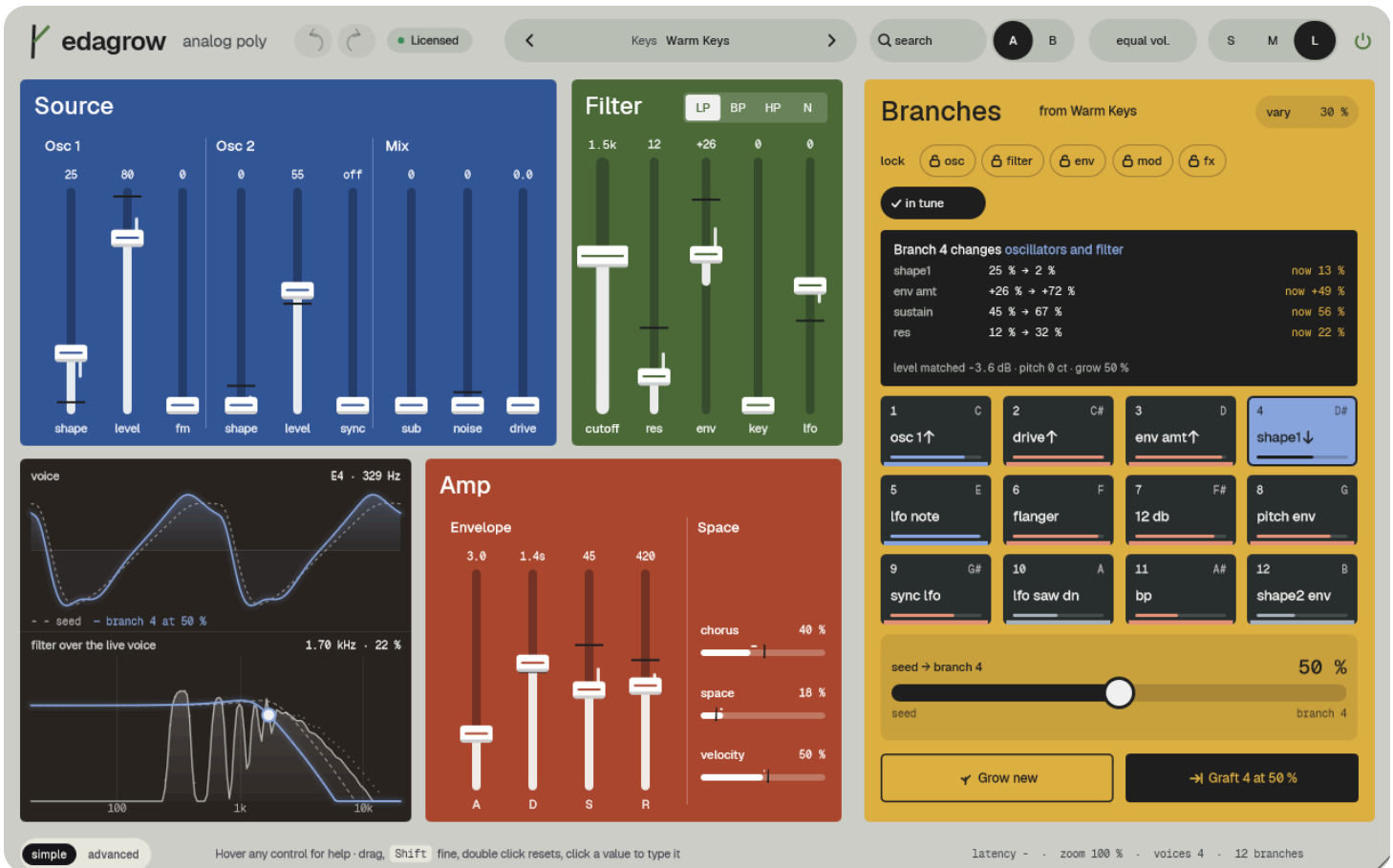
Pick a size with **S**, **M** and **L** in the top bar, or drag the window corner. A click on the status line zooms the contents from 75 to 200 %. The **help strip** in the footer describes the control under the pointer.



Essential (S), 640 × 400



Studio (M), 1000 × 640



Full (L), 1280 × 800

More features

Branches

Each pad shows the biggest change (*cutoff*, *flanger*), a bar for the distance from the seed and the colour of the chapter it changes most. Shift+click pins a branch (it does not regrow); right-click for Listen, Pin, Regrow and Graft this. **Grow new** makes the current sound the seed and regrows the unpinned branches, usually in under a second. **lock** osc, filter, env, mod, fx keeps groups as in the seed; **in tune** keeps branches tuned. Every action is one undo step.

Repeatable

The same sound with the same seed always gives the same 12 branches, and analog drift restarts identically: two bounces of the same project are identical.

Tips by genre

Bass

Mono or Legato with a little Glide; lock *env* so branches keep the punch.

Pads

Grow slowly while a chord holds; the voice display shows where it is heading.

Arps

Arp presets with Space Sync for tempo echoes.

Finding a sound

Lower *vary* for close variants, raise it for surprises; pin the good ones before Grow new.

CPU

Quality Eco about halves the CPU.

CPU and latency

Latency

0 samples, at every quality.

Quality

Eco (1x), High (2x, default) or Studio (4x). Band-limited oscillators; drive with second-order anti-aliasing.

MIDI

Pitch bend, mod wheel (vibrato, cutoff or grow), sustain pedal. MIDI learn from the status line.

No CPU figure is published for this plugin yet.

Version and changes

This manual describes **edagrow 0.3.6**. Updates never change how a saved session sounds: when the sound changes, it arrives as a new option or only in new instances.

Latest builds

0.3.6 2026-10-24 ["Its own product now: its licence, the Beat Kit's (KIZAMI, KITTO, TATAKIT, FUZZO, ASCENT) or ZOKKU All's unlocks it; old beta trials keep working. Sound and saved sessions unchanged."]

0.3.5 2026-10-24 ["Activate online and Activate offline in the licence sheet activate ZOKKU All; a saved session stays byte for byte the same after it is reopened."]

0.3.4 2026-10-24 ['A ZOKKU All licence unlocks it too; the free trial is the ZOKKU All one: 7 days, one trial for all eleven.']

Before

0.3 Revisited interface: Grow hero bar, voice and filter box, seed / branch / now comparison.

0.2 New name, edagrow (before: GRAFT).

Common to every plugin: windows, presets, keyboard and typed values.

