ATOMIC LABS

INSTRUMENT

MAGIC

Four-layer virtual-analog synthesizer

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



USER MANUAL

VERSION 1.0 · 2026

01 About Magic

Magic is four complete synthesizers in one. Each layer (A, B, C, D) has two analog-style oscillators with FM and hard sync, a third WAVE oscillator with 16 additive waves, a six-mode filter with its own envelope, an amp envelope, a modulation envelope, two LFOs, unison up to 7 voices, an arpeggiator, a 16-step trance gate, auto-pan and a stereo delay.

Layers can be stacked on every key, split across the keyboard, or blended with the XY MORPH pad, which can also orbit on its own so the sound keeps changing. Global chorus and reverb finish the sound. 300 factory presets cover leads, basses, pads, keys, brass and strings, arpeggios, gated rhythms, splits and stacks, morphing worlds and atmospheres.

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

FACTORY PRESETS	CONTROLS	WINDOW	VERSION
300 + Init	357 automatable	Resizable	1.0

02 Quick start

1. Load Magic on an instrument track and pick a preset.
2. Click LAYER A-D to edit a layer; ON switches a layer on or off and the bar next to it sets its volume.
3. For a split, set Key Low and Key High on each layer: coloured bars on the keyboard show which layers play where.
4. Switch MORPH on and drag the point on the XY pad to blend the layers; raise Orbit to let it move by itself.

INSTALLATION

Install

Copy the folder `Magic.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



Layers

Four layer strips: select, on / off, volume, level meter, voices playing and key range. INIT LAYER resets the selected layer; COPY TO copies it to another layer.

Morph

MORPH blends the layers with the XY pad: A top-left, B top-right, C bottom-left, D bottom-right. Orbit moves the point in a circle; Rate sets the speed, or SYNC locks it to the song (1/32 to 4 bars).

Oscillators

Osc 1: Saw, Pulse, Triangle or Sine, with FM from osc 2. Osc 2: Saw, Pulse, Triangle or Noise, Semitones, Fine, KBD (keyboard tracking) and SYNC to osc 1. Pulse Width and Osc Mix.

Wave oscillator

16 additive waves (Organ, Choir, Bell, Glass, Digital, Hollow, Nasal, Bright, Soft, Reed, Vox O, E-Piano, Metal, Strings, Formant, Sub Pipe), each band-limited across the keyboard, with Level, Semitones, Fine and KBD. Noise adds air. The display shows one cycle of the oscillators and the wave.

Filter

LP 24, LP 12, Band Pass, High Pass, Notch or LP Drive, with Cutoff, Resonance, Env Amount (bipolar), Key Track, Velocity and Drive. Filter envelope: Attack, Decay, Sustain, Release.

Amp and Mod envelopes

Amp ADSR with Velocity. The Mod envelope (Attack, Decay, Amount) goes to Osc 2 Pitch, FM Amount, Pulse Width, Filter, Wave Pitch or Pitch.

LFO 1 and LFO 2

Six shapes (Sine, Triangle, Saw, Square, Sample & Hold, Smooth Random), free Rate or SYNC with a division. LFO 1 can restart with every note (KEY) and goes to Pitch, Osc 2 Pitch, Filter, Pulse Width, FM, Wave Pitch or Amp. LFO 2 goes to Filter, Pitch, Pulse Width, Pan, Amp or Osc Mix.

Voice

Poly, Mono or Legato, Voices (1-16), Unison (1-7) with Detune and Spread, Glide with AUTO (glide only between overlapping notes), Octave and the key range (Key Low, Key High).

Arpeggiator

Up, Down, Up-Down, Random, As Played or Chord, 1-4 octaves, Rate (1/32 to 4 bars), Gate and HOLD. It follows the song tempo, or runs on its own when the DAW is stopped.

Trance gate

16 patterns, Rate, Depth and Smooth. The step display shows the pattern and the running step.

Pan and Delay

Pan with Auto-Pan (amount, rate or sync). Stereo delay per layer: Level, SYNC with separate left and right times (or milliseconds), Feedback, Cross (ping-pong) and Tone.

Global

Chorus (mix, rate, depth), Reverb (mix, size, damping), Mod Wheel > LFO 1, Mod Wheel > Cutoff, Bend range and Volume.

04 Presets

Magic 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** Leads
- **30** Basses
- **30** Pads
- **30** Keys & Plucks
- **30** Brass & Strings
- **30** Arps & Sequences
- **30** Gated & Rhythmic
- **30** Splits & Stacks
- **30** Morphing Worlds
- **30** FX & Atmospheres

A FEW TO TRY

- Solar Lead
- Golden Sync
- Hyper Solo
- Velvet Lead
- Growling Low End
- Deep Bass
- Gritty Groove
- Fat Low End
- Floating Choir
- Celestial Wash
- Frozen Pad
- Aurora Choir
- Shimmer Pluck
- Tiny Piano
- Wooden Bell
- Royal Brass
- Grand Horns
- Rising Strings
- Classic Brass
- Running Sequence
- Pulse Arp
- Quantum Run
- Rolling Sequence
- Strobe Pulse
- Club Stabs
- Chopped Gate
- Trance Pulse
- Wide Stack
- Dual Combi
- Layered Layers
- Morphing World
- Changing Morph
- Wandering Vector
- Turning World
- Broken Texture
- Alien Drone

05 Tips

Stack an airy WAVE pad on layer B under a saw lead on layer A, then let the morph orbit blend them slowly.

Classic split: bass in layer A up to B2, chords in layer B from C3, with the arpeggiator on layer B.

Gated trance chords: layer A with the gate on 1/16 and a dotted-eighth delay, layer C a soft sine pad without gate.

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\Magic\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
Mod Wheel > LFO 1	0 % to 100 %	50 %
Mod Wheel > Cutoff	-100 % to +100 %	0 %
Bend Range	1 to 24	2
Volume	-36.0 dB to +6.0 dB	-6.0 dB

Morph

CONTROL	RANGE / OPTIONS	DEFAULT
Morph On	Off · On	Off
Morph X	0 % to 100 %	50 %
Morph Y	0 % to 100 %	50 %
Morph Orbit Amount	0 % to 100 %	0 %
Morph Orbit Rate	0.01 Hz to 10.0 Hz	0.10 Hz
Morph Orbit Sync	Off · On	Off
Morph Orbit Division	1/32 · 1/16 · 1/8T · 1/8 · 1/8. · 1/4 · 1/4. · 1/2 · 1 bar · 2 bars · 4 bars	2 bars

Chorus

CONTROL	RANGE / OPTIONS	DEFAULT
Chorus Mix	0 % to 100 %	0 %
Chorus Rate	0 % to 100 %	30 %
Chorus Depth	0 % to 100 %	50 %

Reverb

CONTROL	RANGE / OPTIONS	DEFAULT
Reverb Mix	0 % to 100 %	0 %
Reverb Size	0 % to 100 %	60 %
Reverb Damping	0 % to 100 %	50 %

Layer A–D

4 identical sets - Layer A shown

CONTROL	RANGE / OPTIONS	DEFAULT
On	Off · On	On
Volume	0 % to 100 %	80 %
Key Low	C-2 to G8	C-2
Key High	C-2 to G8	G8
Octave	-3 to 3	0
Osc 1 Wave	Saw · Pulse · Triangle · Sine	Saw
Osc 1 FM	0 % to 150 %	0 %
Osc 2 Wave	Saw · Pulse · Triangle · Noise	Saw
Osc 2 Semitones	-24 st to +36 st	0 st
Osc 2 Fine	-100 ct to +100 ct	+8 ct
Osc 2 Keyboard Track	Off · On	On
Osc 2 Sync	Off · On	Off
Pulse Width	4 % to 96 %	50 %
Osc Mix	100 / 0 to 0 / 100	50 / 50
Wave	Organ · Choir · Bell · Glass · Digital · Hollow · Nasal · Bright · Soft · Reed · Vox O · E-Piano *+ 4 more*	Organ
Wave Level	0 % to 100 %	0 %
Wave Semitones	-24 st to +36 st	0 st
Wave Fine	-100 ct to +100 ct	0 ct
Wave Keyboard Track	Off · On	On
Noise	0 % to 100 %	0 %
Filter Type	LP 24 · LP 12 · Band Pass · High Pass · Notch · LP Drive	LP 24
Cutoff	20 Hz to 20.00 kHz	1.26 kHz
Resonance	0 % to 100 %	20 %
Filter Env Amount	-100 % to +100 %	+30 %
Filter Key Track	0 % to 100 %	50 %
Velocity > Filter	0 % to 100 %	20 %
Filter Drive	0 % to 100 %	10 %
Filter Attack	0 ms to 10.00 s	3 ms
Filter Decay	2 ms to 10.00 s	400 ms
Filter Sustain	0 % to 100 %	30 %
Filter Release	2 ms to 10.00 s	300 ms
Amp Attack	0 ms to 10.00 s	3 ms
Amp Decay	2 ms to 10.00 s	300 ms
Amp Sustain	0 % to 100 %	80 %
Amp Release	2 ms to 10.00 s	300 ms
Velocity > Amp	0 % to 100 %	50 %

Mod Env Attack	0 ms to 5.00 s	`1 ms`
Mod Env Decay	2 ms to 8.00 s	`200 ms`
Mod Env Amount	-100 % to +100 %	`0 %`
Mod Env Target	Osc 2 Pitch · FM Amount · Pulse Width · Filter · Wave Pitch · Pitch	`Osc 2 Pitch`
LFO 1 Shape	Sine · Triangle · Saw · Square · Sample & Hold · Smooth Random	`Triangle`
LFO 1 Rate	0.01 Hz to 30.0 Hz	`5.0 Hz`
LFO 1 Sync	Off · On	`Off`
LFO 1 Division	1/32 · 1/16 · 1/8T · 1/8 · 1/8. · 1/4 · 1/4. · 1/2 · 1 bar · 2 bars · 4 bars	`1/4`
LFO 1 Key Sync	Off · On	`Off`
LFO 1 Amount	0 % to 100 %	`0 %`
LFO 1 Target	Pitch · Osc 2 Pitch · Filter · Pulse Width · FM Amount · Wave Pitch · Amp	`Pitch`
LFO 2 Shape	Sine · Triangle · Saw · Square · Sample & Hold · Smooth Random	`Sine`
LFO 2 Rate	0.01 Hz to 30.0 Hz	`0.30 Hz`
LFO 2 Sync	Off · On	`Off`
LFO 2 Division	1/32 · 1/16 · 1/8T · 1/8 · 1/8. · 1/4 · 1/4. · 1/2 · 1 bar · 2 bars · 4 bars	`1/2`
LFO 2 Amount	0 % to 100 %	`0 %`
LFO 2 Target	Filter · Pitch · Pulse Width · Pan · Amp · Osc Mix	`Filter`
Voice Mode	Poly · Mono · Legato	`Poly`
Polyphony	1 to 16	`8`
Unison	1 to 7	`1`
Unison Detune	0 % to 100 %	`20 %`
Unison Spread	0 % to 100 %	`60 %`
Glide	0 % to 100 %	`0 %`
Auto Glide	Off · On	`Off`
Pan	L100 to R100	`C`

Auto-Pan Amount	0 % to 100 %	`0 %`
Auto-Pan Rate	0.01 Hz to 20.0 Hz	`0.50 Hz`
Auto-Pan Sync	Off · On	`Off`
Auto-Pan Division	1/32 · 1/16 · 1/8T · 1/8 · 1/8. · 1/4 · 1/4. · 1/2 · 1 bar · 2 bars · 4 bars	`1/2`
Arp On	Off · On	`Off`
Arp Mode	Up · Down · Up-Down · Random · As Played · Chord	`Up`
Arp Octaves	1 to 4	`1`
Arp Rate	1/32 · 1/16 · 1/8T · 1/8 · 1/8. · 1/4 · 1/4. · 1/2 · 1 bar · 2 bars · 4 bars	`1/16`
Arp Gate	5 % to 100 %	`60 %`
Arp Hold	Off · On	`Off`
Gate On	Off · On	`Off`
Gate Pattern	Straight · Offbeat · Trance 1 · Trance 2 · Trance 3 · Gallop · Reverse Gallop · Triplet Feel · Stutter · Half Time · Syncopated · Dotted *+ 4 more*	`Trance 1`
Gate Rate	1/32 · 1/16 · 1/8T · 1/8 · 1/8. · 1/4 · 1/4. · 1/2 · 1 bar · 2 bars · 4 bars	`1/16`
Gate Depth	0 % to 100 %	`100 %`
Gate Smooth	0 % to 100 %	`15 %`
Delay Level	0 % to 100 %	`0 %`
Delay Sync	Off · On	`On`
Delay Left Time	1/32 · 1/16 · 1/8T · 1/8 · 1/8. · 1/4 · 1/4. · 1/2 · 1 bar · 2 bars · 4 bars	`1/4`
Delay Right Time	1/32 · 1/16 · 1/8T · 1/8 · 1/8. · 1/4 · 1/4. · 1/2 · 1 bar · 2 bars · 4 bars	`1/8.`
Delay Left ms	1 ms to 2000 ms	`375 ms`
Delay Right ms	1 ms to 2000 ms	`250 ms`
Delay Feedback	0 % to 95 %	`35 %`
Delay Cross	0 % to 100 %	`40 %`
Delay Tone	0 % to 100 %	`60 %`



ATOMIC LABS

Magic · Four-layer virtual-analog synthesizer

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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