ATOMIC LABS

EFFECT

# ORBITA

Stereo phaser

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




USER MANUAL

VERSION 1.0 · 2026

# 01 About Orbita

Orbita is a stereo phaser with 2 to 24 stages swept between a minimum and maximum frequency. Feedback can be clean or warm, with a soft limiter in the loop.

The LFO goes down to 0 Hz (then Position places the notches), FREEZE holds the sweep, and the shapes include an envelope follower and an endless Barber Pole sweep.

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

| FACTORY PRESETS | CONTROLS | WINDOW | VERSION |
|---|---|---|---|
| 300 + Init | 21 automatable | Resizable | 1.0 |

# 02 Quick start

1. Insert Orbita and choose the number of Stages (more stages = more notches).
2. Set Rate or sync it to the song.
3. Raise Feedback for a stronger, vocal sweep.
4. Pick Barber Pole Up for an endless rising swirl.

## INSTALLATION

**Install**

Copy the folder `Orbita.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




### Phaser

Stages (2-24), Depth, Position, Feedback, Min and Max Frequency, Character (Clean or Warm).

### LFO

Rate, Tempo Sync and Division (1/16 to 32 bars), Shape (sine, triangle, ramps, square, smooth random, envelope, barber pole), Freeze, Stereo Phase and Stereo Spread.

### Envelope

Envelope Sensitivity and Envelope > Sweep.

### Output

Wet Low Cut, Wet High Cut, Mix, Output and Bypass.

# 04 Presets

Orbita 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** Classic Swirl
- **30** Slow Sweeps
- **30** Static Notches
- **30** Frozen Moments
- **30** Jet Phaser
- **30** Barber Pole
- **30** Tempo Pulse
- **30** Envelope Funk
- **30** Stereo Wide
- **30** Deep Vintage

### A FEW TO TRY

- Classic Phase
- Retro Orbit
- Silver Swirl
- Gentle Phase
- Tidal Tide
- Slow Sweep
- Calm Wave
- Endless Tide
- Comb Tone
- Notched Filter
- Fixed Notch
- Static Tone
- Glass Moment
- Snapshot Notch
- Stopped Frame
- Jet Jet
- Sonic Roar
- Vortex Flight
- Engine Jet
- Endless Spiral
- Rising Pole
- Helix Sweep
- Loop Spiral
- Strobe Swirl
- Beat Motion
- Rhythm Pulse
- Pulse Swirl
- Squelch Wah
- Talking Funk
- Quack Sweep
- Wide Phase
- Open Image
- Split Field
- Mirror Phase
- Analog Swirl
- Vintage Phaser

# 05 Tips

Vintage swirl: 4 stages, Warm, slow sine.

Funky envelope phaser: Envelope shape on a clavinet or guitar.

# 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\Orbita\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 |
|---|---|---|
| Stages | 2 · 4 · 6 · 8 · 10 · 12 · 16 · 20 · 24 | 6 |
| Rate | 0 Hz - static to 20.00 Hz | 0.400 Hz |
| Tempo Sync | Off · On | Off |
| Sync Division | 1/16 · 1/8 · 1/4 · 1/2 · 1 bar · 2 bars · 4 bars · 8 bars · 16 bars · 32 bars | 1 bar |
| LFO Shape | Sine · Triangle · Ramp Up · Ramp Down · Square · Smooth Random · Envelope · Barber Pole Up · Barber Pole Down | Sine |
| Freeze | Off · On | Off |
| Depth | 0 % to 100 % | 70 % |
| Position | 0 % to 100 % | 50 % |
| Feedback | -95 % to +95 % | +40 % |
| Min Frequency | 20 Hz to 5.00 kHz | 120 Hz |
| Max Frequency | 200 Hz to 20.00 kHz | 6.00 kHz |
| Stereo Phase | 0 deg to 180 deg | 45 deg |
| Stereo Spread | 0 % to 100 % | 0 % |
| Character | Clean · Warm | Clean |
| Envelope Sensitivity | 0 % to 100 % | 50 % |
| Envelope > Sweep | -100 % to +100 % | 0 % |
| Wet Low Cut | 20 Hz to 2.00 kHz | 20 Hz |
| Wet High Cut | 1.00 kHz 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 |



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# Orbita · Stereo phaser

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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