ATOMIC LABS

INSTRUMENT

SUBTERRA

Layered mono bass synthesizer

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



USER MANUAL

VERSION 1.0 · 2026

01 About Subterra

Subterra builds bass from three layers: a clean SUB that is always kept mono, a BODY oscillator with morphing shapes, unison and FM, and GRIT from noise and wave folding.

A ladder filter with its own envelope and a tempo-synced wobble, a pitch envelope for 808-style drops, a punch transient and saturation that never touches the sub make it a complete bass machine.

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

FACTORY PRESETS	CONTROLS	WINDOW	VERSION
300 + Init	37 automatable	Resizable	1.0

02 Quick start

1. Pick a preset (808s, subs, reese, wobble, pumping).
2. Turn up Pitch Env for 808 drops.
3. Raise Wobble Depth and pick a Wobble Rate for dubstep wobbles in sync with the song.
4. Keep Clean Sub on: distortion then never muddies the low end.

INSTALLATION

Install

Copy the folder `Subterra.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



Sub

Sub Wave, Octave and Level.

Body

Body Shape, Octave, Level, Unison, Detune, FM Amount and Ratio.

Grit

Noise and Fold.

Filter

Cutoff, Resonance, Filter Env, Filter Decay and Key Track.

Amp and Pitch

Attack, Decay, Sustain, Release. Pitch Env and Pitch Decay. Punch adds a click transient.

Drive and Wobble

Drive Type (Tube, Hard Clip, Wavefold, Bitcrush) and Drive. Wobble Depth, Rate (1/32 to 2 bars), Shape, Retrigger and Wobble > Volume.

Output

Width (upper band only), Glide, Legato, Velocity, Clean Sub and Master.

04 Presets

Subterra 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

- Classic 808
- Distorted 808 Deep
- Sliding Boom Dirty
- Classic 808 Tight
- Sub Octave Stack
- Felt Sub Deep
- Pure Sub Wide
- Sub Octave Stack Tight
- Tech Step
- Neuro Reese Dirty
- Hollow Reese Wide
- Tech Step Tight
- Growl Machine Deep
- Metal Grind Dirty
- Robot Snarl Wide
- Organ Bass
- Garage Warp Deep
- Tech House Rubber Dirty
- Organ Bass Tight
- Square Pulse Bass
- Outrun Pulse Deep
- Retro Saw Bass Wide
- Square Pulse Bass Tight
- Mallet Bass
- Short Pluck Dirty
- Finger Bass Wide
- Mallet Bass Tight
- FM Thump Deep
- E-Bass FM Dirty
- Bitwise Wide
- Fuzz Bass
- Fold Monster Deep
- Tube Overdrive Dirty
- Fuzz Bass Tight
- Saw Sweep
- Slow Breather Deep

05 Tips

> 808: sine sub, long decay, Pitch Env +12 with short Pitch Decay, Glide for slides.

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\Subterra\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
Unison	1 to 4	1
Detune	0 % to 100 %	20 %
FM Amount	0 % to 100 %	0 %
FM Ratio	0.50 to 4.00	1.00
Noise	0 % to 100 %	0 %
Fold	0 % to 100 %	0 %
Cutoff	30 Hz to 18.9 kHz	753 Hz
Resonance	0 % to 100 %	20 %
Filter Env	0 % to 100 %	40 %
Filter Decay	20 ms to 2020 ms	200 ms
Key Track	0 % to 100 %	50 %
Attack	1 ms to 2.00 s	2 ms
Decay	10 ms to 5.00 s	400 ms
Sustain	0 % to 100 %	90 %
Release	5 ms to 3.00 s	150 ms
Pitch Env	+0.0 st to +48.0 st	+0.0 st
Pitch Decay	5 ms to 1000 ms	100 ms
Punch	0 % to 100 %	30 %
Drive Type	Tube · Hard Clip · Wavefold · Bitcrush	Tube
Drive	0 % to 100 %	20 %
Width	0 % to 100 %	30 %
Glide	Off to 605 ms	Off
Legato	Off · On	On
Velocity Sens	0 % to 100 %	40 %
Clean Sub	Off · On	On
Master	-48.0 dB to +24.0 dB	-3.1 dB

Sub

CONTROL	RANGE / OPTIONS	DEFAULT
Sub Wave	Sine · Triangle · Round	Sine
Sub Octave	0 · -1	0
Sub Level	0 % to 100 %	80 %

Body

CONTROL	RANGE / OPTIONS	DEFAULT
Body Shape	Sine to Pulse	Saw
Body Octave	-1 to 1	0
Body Level	0 % to 100 %	60 %

Wobble

CONTROL	RANGE / OPTIONS	DEFAULT
Wobble Depth	0 % to 100 %	0 %
Wobble Rate	1/32 · 1/16 · 1/8T · 1/8 · 1/4T · 1/4 · 1/2 · 1 bar · 2 bars	1/8
Wobble Shape	Sine · Triangle · Saw Down · Square · Random Steps	Sine
Wobble Retrigger	Off · On	On
Wobble > Volume	0 % to 100 %	0 %



ATOMIC LABS

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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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