ATOMIC LABS

EFFECT

TESSERA

Voice multiplier and doubler

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



USER MANUAL

VERSION 1.0 · 2026

01 About Tessera

Tessera makes up to eight copies of the input, each with its own small pitch shift, time offset, stereo position and humanising drift. One voice becomes a double, a section or a choir.

Three modes (Doubler, Chorus, Ensemble), optional octave layers, feedback, stereo diffusion, bass mono and ducking.

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

FACTORY PRESETS	CONTROLS	WINDOW	VERSION
300 + Init	20 automatable	Resizable	1.0

02 Quick start

1. Insert Tessera on a vocal, guitar or synth.
2. Choose Doubler for a natural double, Chorus for movement, Ensemble for both.
3. Raise Voices and Width for a bigger sound.
4. Use Bass Mono to keep the low end centred.

INSTALLATION

Install

Copy the folder `Tessera.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



Voices

Voices (up to 8), Mode, Detune, Time Spread (or Time Sync with Division), Width, Drift and Drift Rate.

Layers

Octave Up and Octave Down.

Space

Feedback and Size (diffusion).

Tone and output

Low Cut, High Cut, Bass Mono, Ducking, Mix, Output and Bypass.

04 Presets

Tessera 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** Vocal Doubles
- **30** Wide Guitars
- **30** Synth Thickener
- **30** Subtle Width
- **30** Ensemble Strings
- **30** Huge Stacks
- **30** Chorus Classics
- **30** Octave Layers
- **30** Lo-Fi Wobble
- **30** Echo Swarm

A FEW TO TRY

- Studio Double
- Booth Twin
- Airy Vocal
- Silk Double
- Crunch Wall
- Wall Guitars
- Power Rhythm
- Rhythm Wall
- Turbo Unison
- Mega Layer
- Neon Stack
- Super Unison
- Open Spread
- Soft Air
- Halo Image
- Orchestral Strings
- Concert Section
- Royal Ensemble
- Golden Strings
- Monolith Wall
- Colossal Stack
- Epic Army
- Massive Wall
- Retro Wave
- Swirl Swirl
- Liquid Chorus
- Vintage Wave
- Bell Octaves
- Sub Stack
- Choir Organ
- Tape Wobble
- Vinyl Warble
- Faded Drift
- Bent Wobble
- Swarm Echoes
- Slap Swarm

05 Tips

Natural vocal double: Doubler, 2 voices, Detune 8 cents, Time Spread 20 ms.

Huge synth: 8 voices Ensemble with Octave Down a little.

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\Tessera\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
Voices	1 to 8	4
Mode	Doubler · Chorus · Ensemble	Doubler
Detune	0.0 ct to 50.0 ct	12.0 ct
Width	0 % to 100 %	80 %
Drift	0 % to 100 %	30 %
Drift Rate	0.05 Hz to 3.05 Hz	0.32 Hz
Octave Up	0 % to 100 %	0 %
Octave Down	0 % to 100 %	0 %
Feedback	0 % to 75 %	0 %
Size	0 % to 100 %	0 %
Low Cut	20 Hz to 2.0 kHz	80 Hz
High Cut	1.0 kHz to 20.0 kHz	16.0 kHz
Bass Mono	Off to 500 Hz	120 Hz
Ducking	0 % to 100 %	0 %
Mix	0 % to 100 %	50 %
Output	-24.0 dB to +12.0 dB	0.0 dB
Bypass	Off · On	Off

Time

CONTROL	RANGE / OPTIONS	DEFAULT
Time Spread	0.0 ms to 120.0 ms	20.0 ms
Time Sync	Off · On	Off
Time Division	1/64 · 1/32 · 1/16T · 1/16 · 1/8T · 1/8 · 1/4 · 1/2	1/16



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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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