



Tube Modulator

(VST, AU, AAX)

produced by Luca Capozzi (Audiority), February 2018.

Current Manual version: v1.1 (updated October 2018)

Tube Modulator is a collection of several tremolo, vibrato and spatial position effect circuits ranging from the late '50s tube bias tremolo to the late '60s psychedelic vibe pedals.

Tube Modulator spatial effects includes a panner, a rotary speaker and a wide stereo “wow & flutter” simulators.

A wide **XY scope** will show you the current amplitude and spatial position modulation to get instant feedback of your settings.

Due to its nature, **Tube Modulator** is *Colored by Design*, adding a great amount of warmth and color to your signal.

Please, read carefully both product specifications and system requirements **before** purchasing any **Audiority** product.

Tube Modulator

produced by Audiority, February 2018.

Credits

Code & DSP: Luca Capozzi (Progsounds Limited t/a Audiority), February 2018.

GUI Design: Luca Capozzi

Published by Progsounds Limited t/a Audiority

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Specifications

- 7 Tremolo / Vibrato modes
- 3 Spatial Position effects
- 11 Waveforms LFO
- XY Scope
- Parameters Linking
- Tempo Sync
- Colored by Design

System Requirements

PC

- Windows XP SP3 or later
- Intel Core 2 Duo 2GHz / AMD Athlon 64 or equivalent
- 2 GB RAM
- Screen resolution: 1024×768
- VST2, AAX 32-bit or 64-bit host

MAC

- OSX 10.7.5 or later
- Core Duo 2GHz
- 2 GB RAM
- Screen resolution: 1024×768
- VST2, AU, AAX 32-bit or 64-bit host

Upgrading from v1.0.1 or lower

Please, read carefully if you are upgrading from any v1.0.1 or lower version of this plugin.

This version will replace your current Tube Modulator installation. Please, backup your presets and license file before continuing.

Old presets, licenses and settings files were located to

Mac

~/Music/Audio Music Apps/Audiority

PC

Documents\Audiority

New Paths

Mac

All presets, license files and settings will be now located in:
/Users/Shared/Audiority/

AAX and VST plugins will be placed in their own Audiority sub-folder located in:

AAX: /Library/Application Support/Avid/Audio/Plug-Ins/Audiority
VST: /Library/Audio/Plug-Ins/VST/Audiority

PC

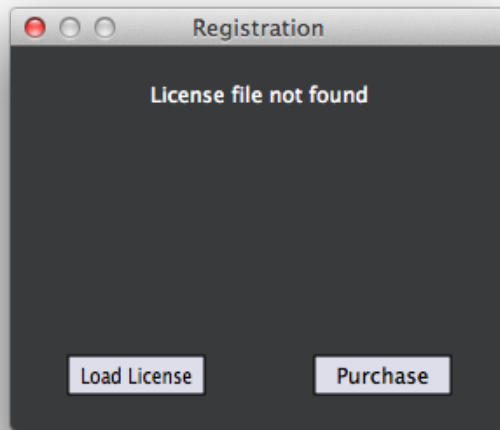
All presets, license files and settings will be now located to:
C:\Users\Public\Public Documents\Audiority

AAX and VST plugins will be placed in their own Audiority sub-folder, usually located in:

AAX: C:\Program Files\Avid\Audio\Plug-Ins\Audiority
VST: {Your VST Path}\Audiority

If you are upgrading from a previous version, please remove the old plugin from their related folders.

Product Activation



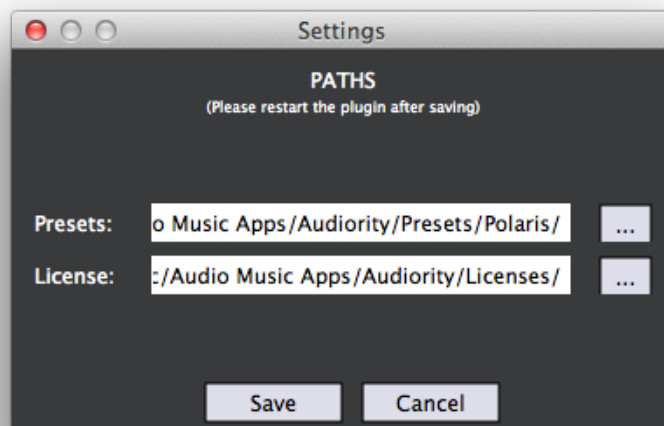
Once you install and open the plugin for the first time, it will be in **Demo Mode** until a license file is loaded. In Demo Mode the plugin will output 3 seconds of silence every minute.

Save the license file* you got with your purchase email (or via our User Area) anywhere on your computer.

Then, to activate the plugin, click on the **Audiority** logo and select "**Register**". The Registration window will pop up allowing you to load the license file you got while purchasing the plugin.

***PLEASE NOTE: Do not try to open the ".alf" license file. Just save it anywhere on your computer and follow the procedure above.**

User Paths Setting



By selecting "**Settings**" from the logo menu, you can change the path for **Presets** and **License** folders.
Note: Please do not move the **Settings** folder from its default location.

Tube Modulator Parameters



PLEASE NOTE: The plugin is COLORED BY DESIGN, adding a great amount of warmth and color to the signal. Use the **Mix** parameter to balance the dry signal with the processed one.

AMPLITUDE MODES (Horizontal Axis on the scope)

- TUBE TREM** '59 style tube bias tremolo. By changing the operating parameters of the pre-amp tubes, the signal can be cut off and then brought back again. This technique has been used on some late '50s / early '60s guitar tube amplifiers.
- HARMONIC TREM** '61 style harmonic tremolo. The original design, appeared in very few early '60s guitar amplifiers, used three tubes to split the low and high frequencies of the incoming signal. The effect is then achieved by modulating the parameters of those rudimental filters. Our design modulates a baxandall circuit instead, to avoid excessive CPU usage.
- VIBRATO** Classic delay-based vibrato before the tube pre-amp stage.
- CHORUS VIBE** A portion of the dry signal is summed to the vibrato signal to get a warm early chorus effect.
- HARMONIC VIBE** Like CHORUS VIBE, but the baxandall circuit following the tube pre-amp is modulated to get a unique harmonic tremolo and vibrato mixup.
- '68 VIBE** Simulation of the most famous late '60s vibrato pedal. This mode is equivalent to the Vibrato switch setting of that pedal.
- '68 CHORUS VIBE** This mode is equivalent to the Chorus switch setting of the same '68 vibrato pedal.

POSITION MODES (Vertical Axis on the scope)

- PANNER** Automatic panning designed by changing the pre-amp tube input gain.
- LESLIE** Early rotary speaker simulator, very similar to a vibrato pedal, giving the signal a slight doppler effect.
- WOW FLUTTER** Wide stereo modulator. It widens up the incoming signal while "detuning" it through its modulation, providing vinyl and tape like pitch fluctuations.

COMMON PARAMETERS

- LFO** Select between 11 different waveforms.
- RATE** Modulation speed from 0.1Hz to 10Hz. If **SYNC** is enabled, it ranges from 32x to 1/32nd T. If **LINK** is enabled, both **RATE** knobs will be controlled at once.
- AMOUNT** Sets the depth of the effect. If **LINK** is enabled, both **AMOUNT** knobs will be controlled at once. This will also control the depth of the **XY Scope** signal.

CHANGELOG

v1.1 (October 2018)

- FIX: Sync not working on signature changes
- FIX: Wrong LFO rates on signature changes
- IMP: Improved load time
- IMP: Framework updates

v1.0.1 (February 2018)

- FIX: Presets not recalled while loading projects (VST)
- FIX: Pro Tools crashing while linking parameters
- FIX: Modulation still audible while Amount is 0 (68 Vibe)
- FIX: No popup on knobs

v1.0 (February 2018)

- Original release

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We hope you will enjoy it as much as we did.

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info@audiority.com

or checkout our site at www.audiority.com

Cheers,
Luca

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