Introduction

TuCo is a compressor based on vari-mu tubetechnology with a feedback topology.

TuCo can be clean, warm and crisp at same time, exhibiting subtle and natural compression at low amounts and plenty of punch at higher settings. TuCo is an original Sonimus development, designed using analog modeling techniques.

TuCo is ideal for drums, vocals, or any track instrument. TuCo sounds great applied to a whole mix, too. Thanks to its "stereo modes" (Dual Mono, Stereo Vintage, Stereo Modern) TuCo can be used for tracking, as well as for mastering.

License

In order to use your downloaded Sonimus product, it is necessary to activate your license. To activate TuCo, please download and execute the license activation script (you will find easy to follow instructions in the "Product Activation" section below). Your software will be ready for use immediately upon activation.

The Sonimus Licensee is governed by Terms and Conditions the user accepts upon installation.

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(click on the topic of your interest)

Installation

On the Sonimus website, navigate to "My Area." Click on TuCo to download the installer for your platform.

- *Mac*

Open the TuCo.dmg, run the installer, and follow the on-screen prompts. If you would like to customize your installation, at the *"Installation Type"* step, please click on the *" Customize"* button.

- *Windows*

Open your downloaded .zip file, run the installer and follow the given steps.

Specifications

Supported Platforms
Audio Unit, VST 2.4, VST 3, AAX. All platforms support 64-bit operation.

Supported Operating Systems
- Mac OSX 10.8 or newer (intel and Mx)
- Windows 10 or newer

Technical Specifications
- **Sample Rate Support** : Up to 192 khz
- **Bit Depth** : 64 bits (floating point)
- **Channels** : Mono and Stereo
- **Latency** : Zero

Product activation

In order to activate TuCo you must download and execute the license activation script.

Please visit www.sonimus.com and click on the "My Area" tab. In the "My Products" section, click on the image of the product you want to activate to download its activation licenser script.
Once the file has been downloaded to your computer, double click to execute. As a final step, please restart your DAW.

- *Product Deactivation*

Sonimus TuCo provides you with the necessary tools for both activating or deactivating your product. According our Terms and Conditions - Section Grant of License: It is useful for you to know deactivation process in order to take necessary precautions for protecting your product. In particular, please remember to delete all Sonimus files which were copied previously to your platform (including emptying the Recycle Bin) after deactivating your Sonimus product license.

To *deactivate* your Sonimus product, please visit www.sonimus.com and click on the "My Area" tab. In the "My Products" section, click on the image of the product you want to deactivate.
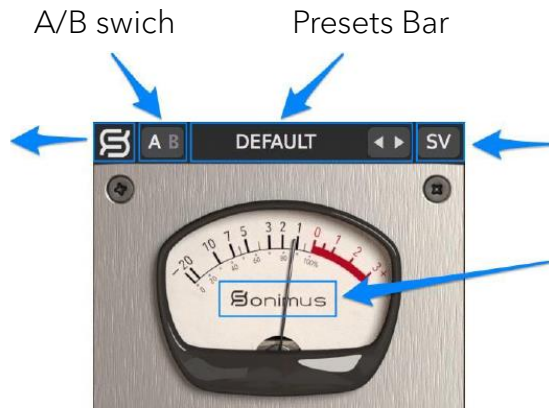
Download its activation licenser script. Once the file has been downloaded to your computer, double click to execute. *Choose the "remove licenser" option* from the product licenser dialog to complete the deactivation process.

Key features

- All tube vari-mu design
- Four modes: Fast Attack Compressor, Slow Attack Compressor, Fast Attack Limiter, Slow Attack Limiter
- Release knob with slow to fast settings
- Three stereo modes: Dual Mono, Vintage Stereo, Modern Stereo
- Mix control for parallel compression
- Output tube saturation controlled by a drive knob
- A/B switch for a/b comparison
- Presets system to create and edit both user and factory presets
- Support for HQ screen resolution (Retina)

Options

A/B swich   Presets Bar

Stereo Mode: Mono, Stereo Vintage, Stereo Modern, Dual Mono

Backpanel: Plugin Version, License name, Version and Options

VU Mode: Gain Reduction, Input, Output

Presets Systems

Sonimus TuCo comes with many factory presets you may choose to install. You can also create your own presets and preset groups. For example, you might create a group called "guitars" and then save new presets within this group like "clean guitar," "overdriven guitar," etc.

You can also can also edit, rename and remove presets and groups.

Controls

Stereo Mode

- **Mono** : Processes a stereo input through mono unit compressor.

- **Stereo Vintage** : Feeds the sum of both channels (left & right) into a single unit detector circuit, then applies the same "gain reduction" to each channel. This mode sounds open and wide.

- **Stereo Modern** : Each channel (left & right) is processed independently. Combines the two gain-reduced channels into one, resulting in equal gain reduction for both sides.

- **Dual Mono** : Each channel is processed independently by two compressor units.
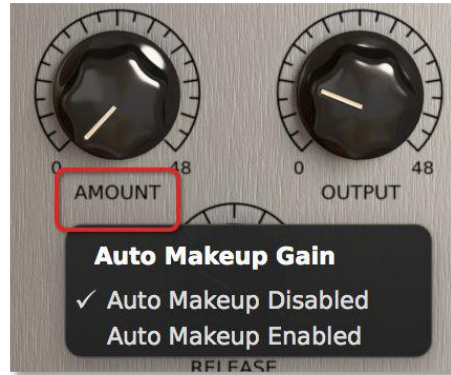
Controls

Compressor Mode

1. Slow Attack Compressor
2. Fast Attack Compressor
3. Slow Attack Limiter
4. Fast Attack Limiter

Amount

- Adjusts the amount of compression. Functions like a "threshold" control.

Auto Makeup Gain (AMG)

- **AMG**: When enabled, AMG compensates for volume drop resulting from compression.

- To activate AMG, click on the "Amount" label (outlined in red in the screenshot at right) .

- AMG does not modify audio dynamics. Rather, it calculates a gain compensation approximation. Use in conjunction with your ears and the "output" control knob.

Note: For optimal results, your input level signal must be 0VU from -20 to -16 dbfs.

Output

- Adjusts the compressor's Make Up Gain.

Release

- Adjusts the compressor's release speed: 0: Fast, 10: Slow.

SC HP

- Applies a High-Pass Filter to the side chain input signal (useful for bass guitars and/or bass drums).

Drive
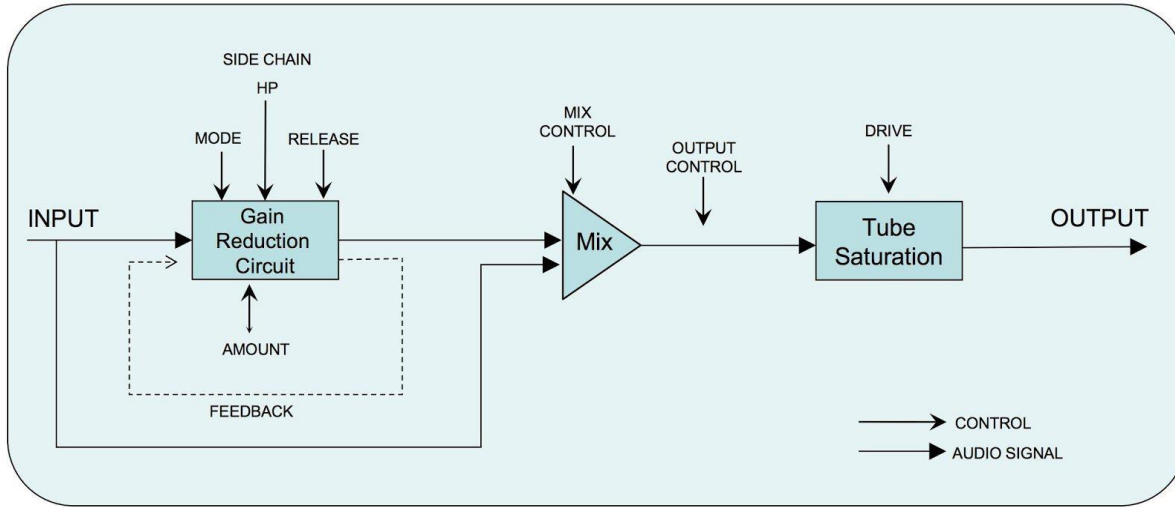- Adjusts amount of tube style saturation (When set to zero, saturation is bypassed).

Mix

The Mix knob blends the "dry" uncompressed signal with the "wet" compressed one. TuCo features two Mix Modes. Access the two Mix Control Mode options by clicking the "Mix" label on the user interface (outlined in red in the screenshot below).

- **Mix Before Output Control** : This is TuCo's more intuitive mode. Here you can blend dry/wet without worrying about matching dry and wet signal volumes. Your dry signal is adjusted automatically to match your compressed signal volume. Output knob affects both signals: wet and dry.

- **Mix After Output Control** : This is TuCo's more traditional mode. The dry signal is not compensated automatically. In this mode, you must level the compressed signal using the "output knob" to achieve your desired dry/wet signal ratio. The Output knob only affects the compressed signal.
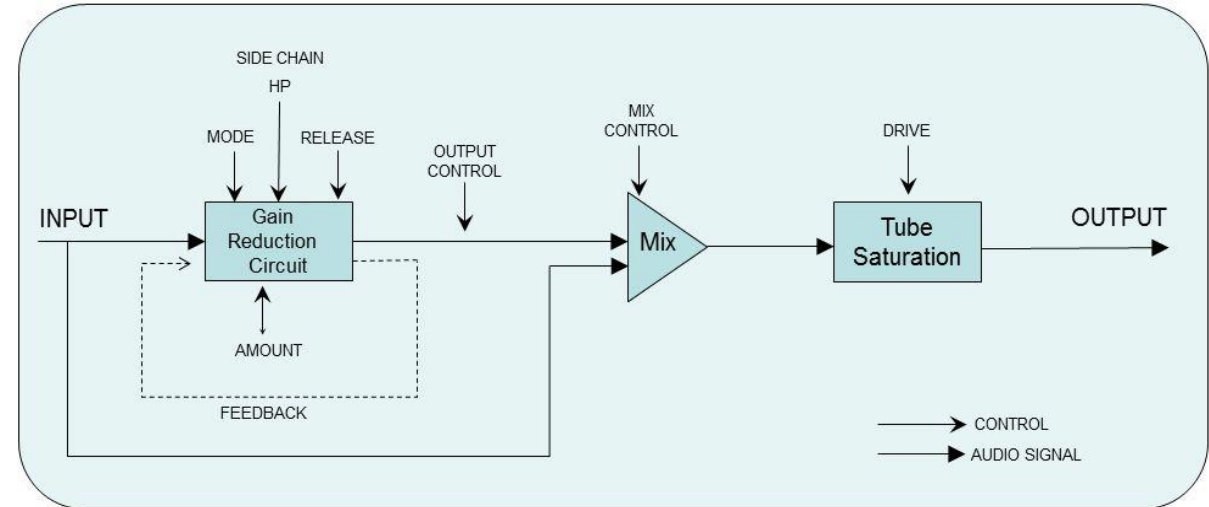
Signal flow

Mix Before Output Control

Mix After Output Control

Technical support

For support, please visit our website at Sonimus.com and navigate to the section entitled "Support."
Or, you may jump to our support section directly by clicking on the following link: http://sonimus.com/support/

Keep in mind, the *best results will be found using your ears to adjust the final settings!*

Enjoy using TuCo!

Credits
■ English text editing - Ken Lovgren