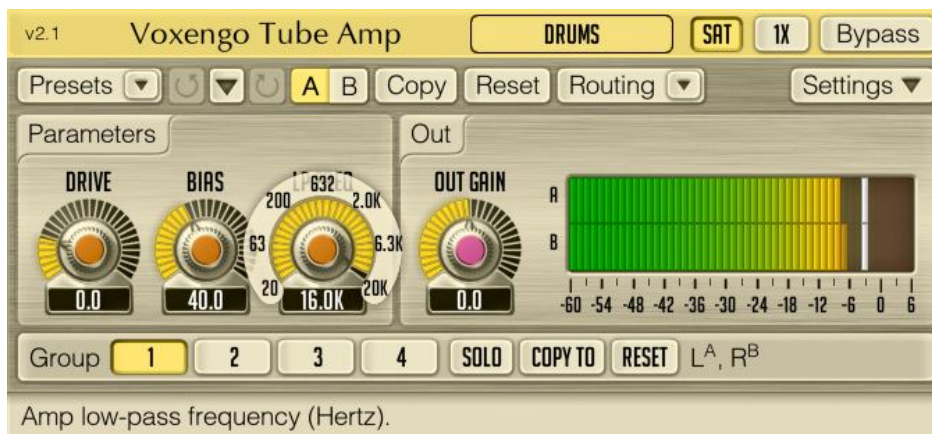




Voxengo Tube Amp User Guide



Software version 2.1

<http://www.voxengo.com/>

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Introduction

Tube Amp is an audio effect plug-in that applies asymmetric tube triode overdrive usually found in single-tube microphone pre-amp boxes. The sound this plug-in produces varies from a mild “warm” overdrive to a fuzzy distortion. Beside that, Tube Amp includes a -6 dB/oct low-pass filter that is built-in into plug-in’s valve modeling equation, and can be used to imitate a lower-quality tube triode.

Tube Amp also features all standard advanced Voxengo plug-in features like full multi-channel operation and built-in oversampling.

Features

- Asymmetric tube triode overdrive
- Multi-channel processing
- Internal channel routing
- Channel grouping
- Mid/side processing
- Up to 8x oversampling
- 64-bit floating point processing
- Preset manager
- Undo/redo history
- A/B comparisons
- Contextual hint messages

Compatibility

This plug-in can be loaded into any audio host application that conforms to the VST or AudioUnit plug-in specification.

This plug-in is compatible with Windows XP, Windows Vista (32- and 64-bit) and Mac OS X 10.4.11 and above (Intel and PowerPC) computers (2 GHz dual-core or faster processor with at least 1 GB of system RAM recommended). A separate binary distribution file is available for each target computer platform for each plug-in format.

User Interface Elements

Note: Most interface elements (buttons, labels) located on the top of the user interface and on the bottom are standard among all Voxengo plug-ins and do not require much learning effort. For an in-depth description of these and other standard user interface elements and features please refer to the “Voxengo Primary User Guide”. Learned once it will allow you to feel comfortable with all pro audio plug-ins from Voxengo.

Parameters

The “Drive” parameter specifies overall tube amp gain setting (in decibel).

The “Bias” parameter adjusts tube amp’s grid bias providing a mean to control proximity of the half-wave to the tube triode’s cutoff point (parameter is defined in percent).

The “LP Freq” parameter controls low-pass filter’s corner frequency (in Hertz).

Output

The “Out Gain” parameter adjusts the overall output gain of the plug-in (in decibel).

Credits

This plug-in was produced by Aleksey Vaneev in Syktyvkar, Komi Republic, Russia.

DSP algorithms and internal signal routing code were created by Aleksey Vaneev.

Graphics user interface code and the “standard” graphics design were created by Vladimir Stolytko.

Plug-in is implemented in multi-platform C++ code form and uses “zlib” compression library (written by Jean-loup Gailly and Mark Adler), VST plug-in technology by Steinberg, AudioUnit plug-in SDK by Apple, Inc. (used under the corresponding licenses granted by these parties).

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