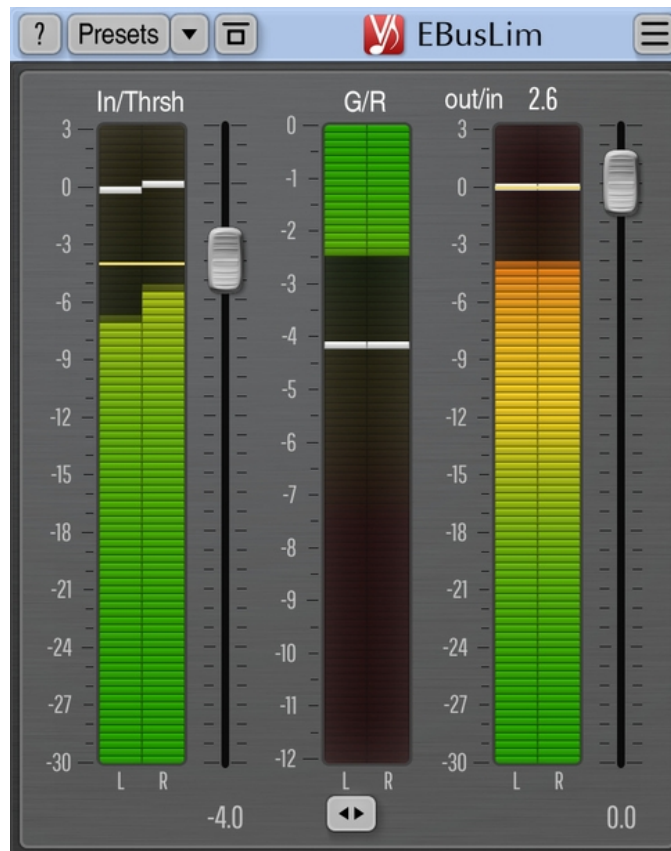


## Voxengo EBusLim User Guide



Version 1.8

<https://www.voxengo.com/product/ebuslim/>

## **Contents**

Introduction 3

    Features 3

    Compatibility 3

User Interface Elements 4

    Parameters 4

    Level Meters 4

Credits 5

    Beta-Testers 5

## Introduction

---

EBusLim is a brickwall peak limiter and loudness maximization plug-in for professional music production applications. EBusLim implements a single EL-4-based limiter mode originally designed in Elephant mastering limiter plug-in. This mode is suitable for bus, drum bus, master bus and track processing. The design idea behind EBusLim is to produce an extremely easy-to-use yet effective limiter.

Since EBusLim only features a single processing mode the processing latency was reduced down to 0.5 milliseconds permitting the use of this limiter as master bus overload protector for both stereo and multi-channel real-time applications.

## Features

---

- Elephant-plug-in-quality limiter mode
- Extreme ease of use
- Stereo and multi-channel processing
- Preset manager
- 64-bit floating point processing
- All sample rates support
- 0.5 ms compensated processing latency

## Compatibility

---

This audio plug-in can be loaded into any audio host application that conforms to the AAX, AudioUnit, VST or VST3 plug-in specification.

This plug-in is compatible with Windows (32- and 64-bit Windows XP, Vista, 7, 8, 10 and later versions, if not announced otherwise) and macOS (10.11 and later versions, if not announced otherwise, 64-bit Intel and Apple Silicon processor-based) computers (2.5 GHz dual-core or faster processor with at least 4 GB of system RAM required). A separate binary distribution file is available for each target computer platform and audio plug-in specification.

## User Interface Elements

---

**Note:** All Voxengo plug-ins feature a highly consistent user interface. Most interface elements (buttons, labels) located at the top of the user interface are the same in all Voxengo plug-ins. For an in-depth description of these and other standard features, and user interface elements, please refer to the “Voxengo Primary User Guide”.

### Parameters

---

The “In/Thrsh” slider controls the limiting threshold or, alternatively, the input gain of the limiter.

The “Out Gain” slider controls the output ceiling of the limiter.

The “<>” button adjusts both slider controls simultaneously. Press this button and move the mouse up and down to perform linked change of two parameters.

### Level Meters

---

EBusLim features three RMS level meters, with scales shown in decibel. Peak level indication is present on all meters. The “In/Thrsh” meter displays input level with the limiting threshold mark that is tied to the “In/Thrsh” slider. The “G/R” is a meter that displays signal level's gain reduction. The third meter shows plug-in's master output level.

## Credits

---

DSP algorithms, internal signal routing code, user interface layout by Aleksey Vaneev.

Graphics user interface code by Vladimir Stolytko. Graphics elements by Vladimir Stolytko and Scott Kane.

This plug-in is implemented in multi-platform C++ code form and uses “zlib” compression library (written by Jean-loup Gailly and Mark Adler), “LZ4” compression library by Yann Collet, “base64” code by Jouni Malinen, FFT algorithm by Takuya Ooura, VST plug-in technology by Steinberg, AudioUnit plug-in SDK by Apple, Inc., AAX plug-in SDK by Avid Technology, Inc., Intel IPP and run-time library by Intel Corporation (used under the corresponding licenses granted by these parties).

Voxengo EBusLim Copyright © 2014-2022 Aleksey Vaneev.

VST is a trademark and software of Steinberg Media Technologies GmbH.

### Beta-Testers

---

Alan Willey

gl.tter

kj.metissage

**Happy Mixing and Mastering!**