

CS-3301

CHANNEL STRIP



MANUAL

TBProAudio

2017

1 Introduction

Welcome to CS-3301, a channel strip plugin with gate, EQs, compressor, saturation and oversampling.

2 Features

CS-3301 offers following features:

- Noise gate
- LC/HC and 5 band EQ
- Compressor
- Saturation
- VU meter
- HQ oversampling
- Thermal noise for analog sound emulation
- Preset management
- Large and easy to use GUI
- 64-bit internal processing
- Very efficient CPU usage design

3 Overview

Signal flow of CS-3301 channel strip:

[Input signal] -> Gate -> LC -> 5 Band EQ -> HC -> Compressor -> Saturation -> [Output signal]

The controls for the filter are placed on the left side. The controls for the gate are placed on the top right side. The controls for the compressor are placed bottom middle, below several plugin controls like saturation, switch for thermal noise, oversampling and phase are placed. In VU meter is placed in the middle. Control for input and output control are placed on the right side.



4 Minimum System Requirements

- Windows XP or newer
- Mac OS X 10.5 or newer
- Win: 32/64 Bit VST, 32/64 Bit VST3, 32 Bit RTAS, 32/64 Bit AAX
- OS X: 32/64 Bit VST, 32/64 Bit VST3, 32/64 Bit AU, 32 Bit RTAS, 32/64 Bit AAX
- Tested with: Cockos Reaper, Steinberg Cubase/Nuendo/Wavelab 6/7/8, FL Studio 12.x, ProTools 10/12
- All sample rates

5 Plugin Controls

Please note that any parameter change of EQ, gate and comp (knobs) also enables the unit.

5.1 Plugin settings

5.1.1 Oversampling

Incoming signal could be oversampled up to 2 times. Oversampling reduces magnitude/phase distortions near Nyquist frequency and let the filter sound much more "analog".

5.1.2 Phase

Switches the phase of the outgoing signal.

5.1.3 Analog On/Off

Enables thermal noise for analog sound emulation.

5.1.4 Sat Pre/Port

Saturation effect pre/post strip effects

5.2 Gate

Gate opens only if signal reaches a certain threshold. It could be used i.a. to eliminate ground noise of the signal.

5.2.1 Off/On

Enables the gate module.

5.2.2 Threshold

Sets threshold value, in dB. Active-LED lights if threshold is reached.

5.2.3 Attack

Set attack time, in ms. Lower values make the gate more responsive.

5.2.4 Hold

Sets hold time, in ms. Lower values start release earlier.

5.2.5 Release

Set release time, in ms. Higher values make the gate longer open.

5.3 EQ

CS-3301 offers 7 filter which can be independently enabled. In addition the whole filter module can be enabled or disabled.

5.3.1 LC/HC

LowCut/HighCut-filter with switchable filter slope.

5.3.2 HF/LF

Peak/Shelf-filter.

5.3.3 HMF/MF/LMF

Peak-filter with adjustable Q-factor.

5.4 Compressor

The compressor squeezes the incoming signal depending on threshold and ratio.

5.4.1 Off/On

Enables the compressor module.

5.4.2 Pre/Post

"Pre" puts the compressor before the filter module, "post" after.

5.4.3 Soft/Hard

Selects the compressor knee.

5.4.4 Threshold

Sets threshold value, in dB.

5.4.5 Attack

Sets attack time, in ms. Lower values make the compressor more responsive.

5.4.6 Release

Sets release time, in seconds. Higher values make the compressor longer working.

5.4.7 Ratio

Set compression ratio, from 1:1 - 50:1. Please to note that maximum ratio limits the signal.

5.4.8 Makeup Gain

Set makeup gain of compressor, from 0 - 12dB

5.4.9 Mix

Set mixing ration of compressed and original signal, from 0 % (dry) - 100 % (wet).

5.5 Saturation

Controls amount of saturation in output signal, in %.

5.6 VU meter

Meter shows the input/output signal strength and gain reduction of compressor (if enabled). It is calibrated to 0VU == -18 dBFS and 300ms integration time.

5.7 Input/Output gain

Controls input and output signal gain, in dB.

5.8 Presets

Preset menu loads and saves user presets. Presets stored to %localappdata%/DynaRide for Windows or /Users/xxx/Library/Application Support/ DynaRide for Mac OSX are imported as user presets. Prev and next button step trough all presets.

6 Demo mode versus Registered mode

In demo mode (without registering) the plugin mutes audio every 90 seconds for a short period. This could be circumvented by clicking on the "CS-3301" label within 90 seconds.

7 Activation

After purchasing the license key, unpack the key to a convenient place on your PC (e.g. desktop). Add the plug-in to any track, click on the "Demo: Click here to activate" text and select the key file. Remove the plug-in and add it again. The GUI shows now "Registered to your name".

You can register at <http://www.tb-software.com/tbproaudio>.

8 Conclusion

So finally if you have any questions or suggestions just let us know. And have fun with our tools.

Your team from TBProAudio :-)