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GRATUIT

Limiteur de mur de brique SN05-G

https://senderspike.wordpress.com/2020/01/02/sn05g-brickwall-limiter/

Signal Noise SN05-G

Brickwall Limiter

Contrôles :

- **Gain** : définit le gain d'entrée de 0 dB à +24 dB.
- **Plafond** : définit le plafond de l'échantillon de 0 dBFS à -24 dBFS.
- **AT** : définit le temps d'attaque du limiteur (0,02-10 ms).
- **R1** : définit le temps de relâchement du limiteur (1-5000 ms).
- **R2** : définit le temps de libération de la tondeuse (0,1-20 ms ou 0,1-500 ms avec limiteur activé).
- **Limit / Clip** : Relevez cet interrupteur (Limit) pour enclencher le limiteur avant la tondeuse. Abaissez cet interrupteur
  (Clip) pour contourner le limiteur (le signal ne passe que par le clipper).
- **Compteur GR** : Affiche la quantité de GR * (limiteur ou tondeuse, selon le commutateur L / C).
- **L / C** : Sélectionnez L pour afficher le GR * du limiteur, sélectionnez C pour afficher le GR * du clipper.

** Remarque: GR = réduction de gain*

SN05-G Brickwall Limiter est disponible au format VST 32 et 64 bits pour Windows uniquement. Le téléchargement est direct, l'inscription n'est pas requise.

INSTALLATION

The package should contain the following files:

SN05G Limiter.dll	- 32bit version with GUI
SN05G Limiter x64.dll	- 64bit version with GUI
sn05_manual.pdf	- manual (this file)

To install the plug-in, copy the DLL files of the version(s) you wish to use to the respective VST plug-in folders. Tested with Cubase 5.1 (32-bit) and Cakewalk 2019 (64-bit).

CREDITS

SN05-G uses biquad algorithms by Robert Bristow-Johnson as found in "*Cookbook formulae for audio EQ biquad filter coefficients*", 2005 [1], and look-ahead limiter algorithm by (c) 2011 M. Holters. Plots used in Appendix of this manual were generated with VST Plugin Analyser by Christian-W. Budde [2].

DISCLAIMER

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[1] https //www.musicdsp.org/en/latest/Filters/197-rbj-audio-eq-cookbook.html

[2] http //www.pcjv.de/applications/measurement-programs/

DESCRIPTION AND GENERAL USAGE

SN05-G is a 3-stage brickwall limiter (Figure 1.) designed to sit at the very end of signal chain in DAW, but it can be used on individual tracks, too. Thus it can be used for mastering as well as sound shaping duties equally. Click and drag the knobs to increase or decrease the values; ctrl-click the knobs to reset them to defaults.

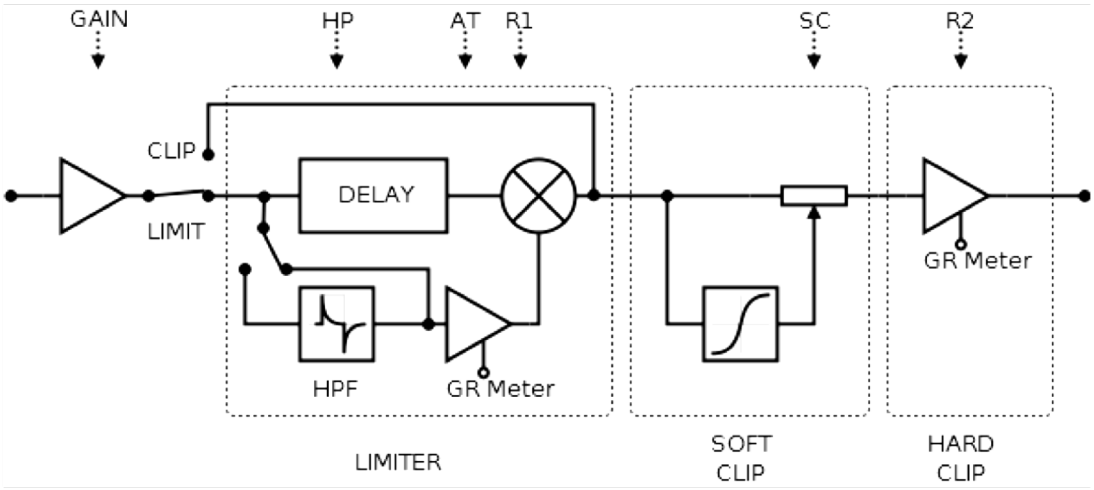


Figure 1.

CONTROLS

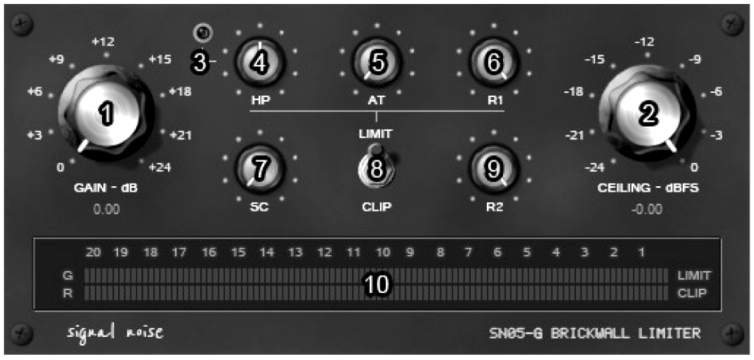


Figure 2. - GUI (default settings)

1) **Gain:** Sets the input gain from 0dB to +24dB.

2) **Ceiling:** Sets the sample peak ceiling from 0dBFS to -24dBFS.

3) **Led:** Enables/disables limiter's sidechain HPF.

4) **HP:** Sets the cutoff frequency of sidechain HPF (15Hz-2kHz).

5) **AT:** Sets the attack time of the limiter (0.02-250ms).

6) **R1:** Sets the release time of the limiter (10-1300ms).

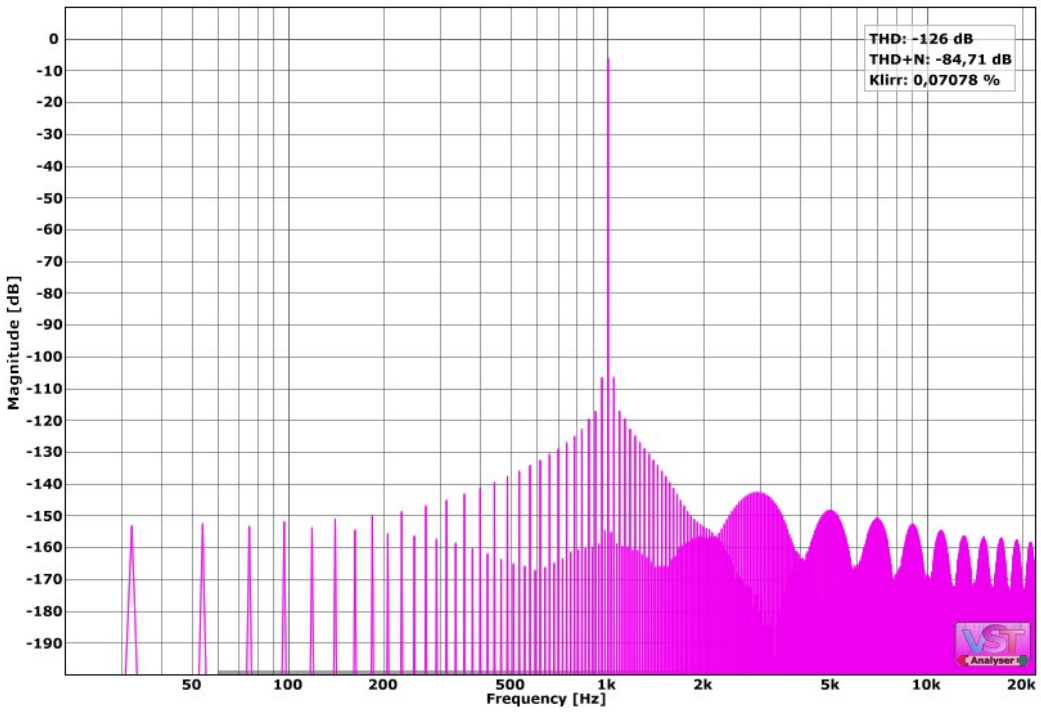
7) **SC:** Sets the amount of soft-clipping (0-100%).

8) **Limit / Clip:** Flip this switch up (Limit) to engage limiter before clippers. Flip this switch down (Clip) to bypass the limiter (signal passes only through clippers).

9) **R2:** Sets the release time of the hard clipper (0.1-50ms or 1-500ms with limiter on).

10) **GR meter:** Upper meter displays the amount of GR applied by look-ahead limiter, lower meter displays the amount of GR applied by the final brickwall clipper.

APPENDIX



THD @ 44.1 kHz, default settings with gain +10dB and ceiling -1dBFS (GR_L = 10dB)