



# Signal Noise SN06-G

## Op-amp

## INSTALLATION

The package should contain the following files:

<i>SN06G OpAmp.dll</i>	- 32bit version with GUI
<i>SN06G OpAmp x64.dll</i>	- 64bit version with GUI
<i>sn06_manual.pdf</i>	- 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

Plots used in Appendix of this manual were generated with VST Plugin Analyser by Christian-W. Budde [1].

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[1] <http://www.pcjv.de/applications/measurement-programs/>

## DESCRIPTION AND GENERAL USAGE

SN06-G is a model of an operational amplifier, inspired by the drive section which can be found in famous American modular synthesizers and stomp-boxes. Click and drag the knobs to increase or decrease their value. Optionally, use the text input next to the knobs for precision input. Ctrl-click resets the knobs to the default value of 0dB. Clicking the buttons switches the associated features on and off.

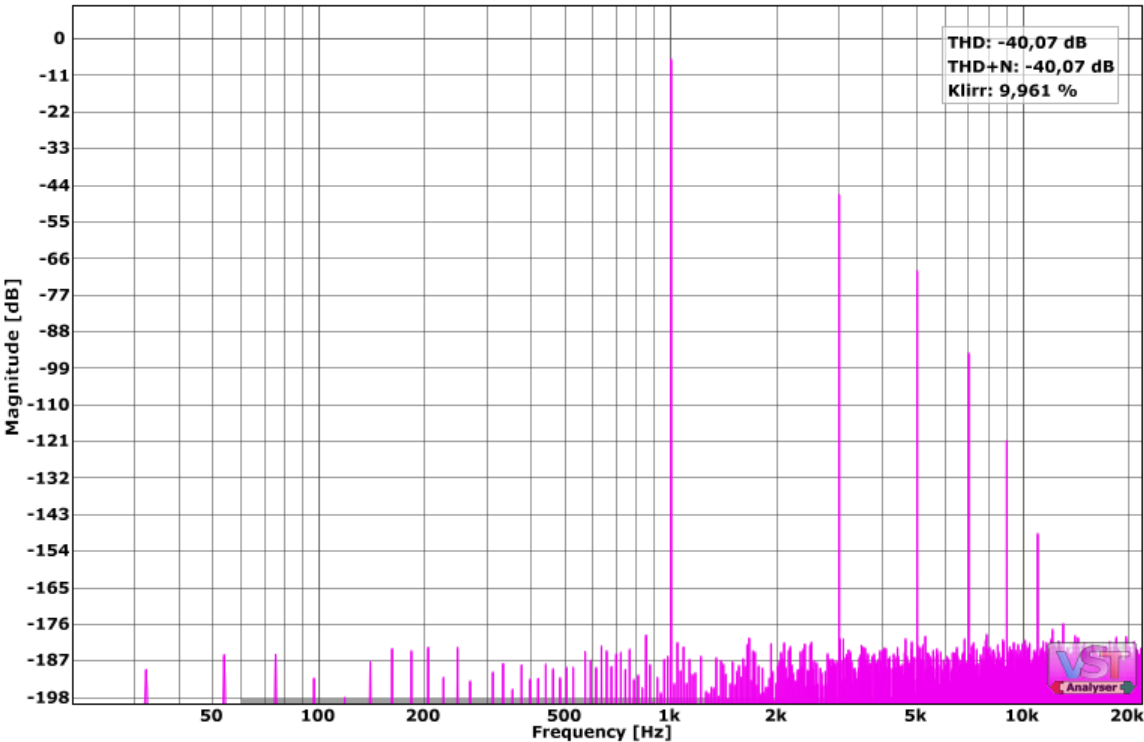
## CONTROLS



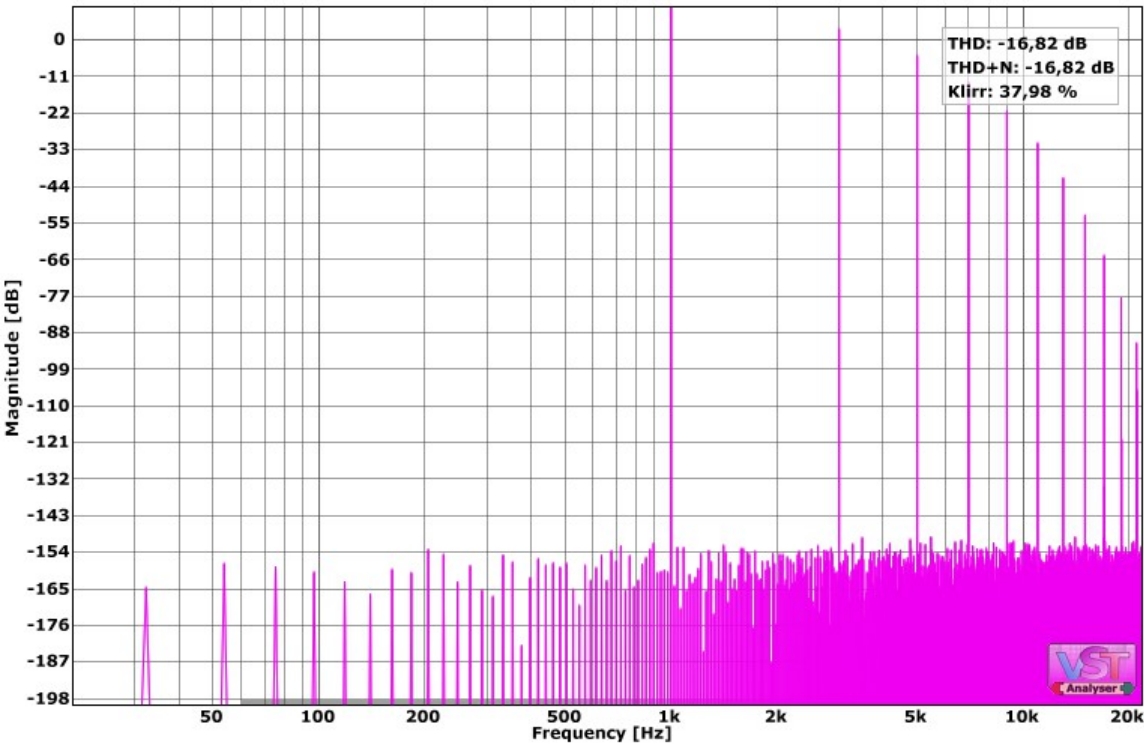
Figure 1. - GUI (default settings)

- 1) **PAD:** Optional input attenuation and boost. Left button boosts incoming signal by +10dB, right button attenuates the incoming signal by -10dB. Enabling both pads at the same time has the same effect as when both buttons are off.
- 2) **Drive:** Sets the amplifier gain from -8dB to +24dB.
- 3) **Volume:** Sets the output volume from -32dB to +32dB for easy gain staging.
- 4) **Peak led:** This led lights up when the output signal goes higher than 0dBFS.

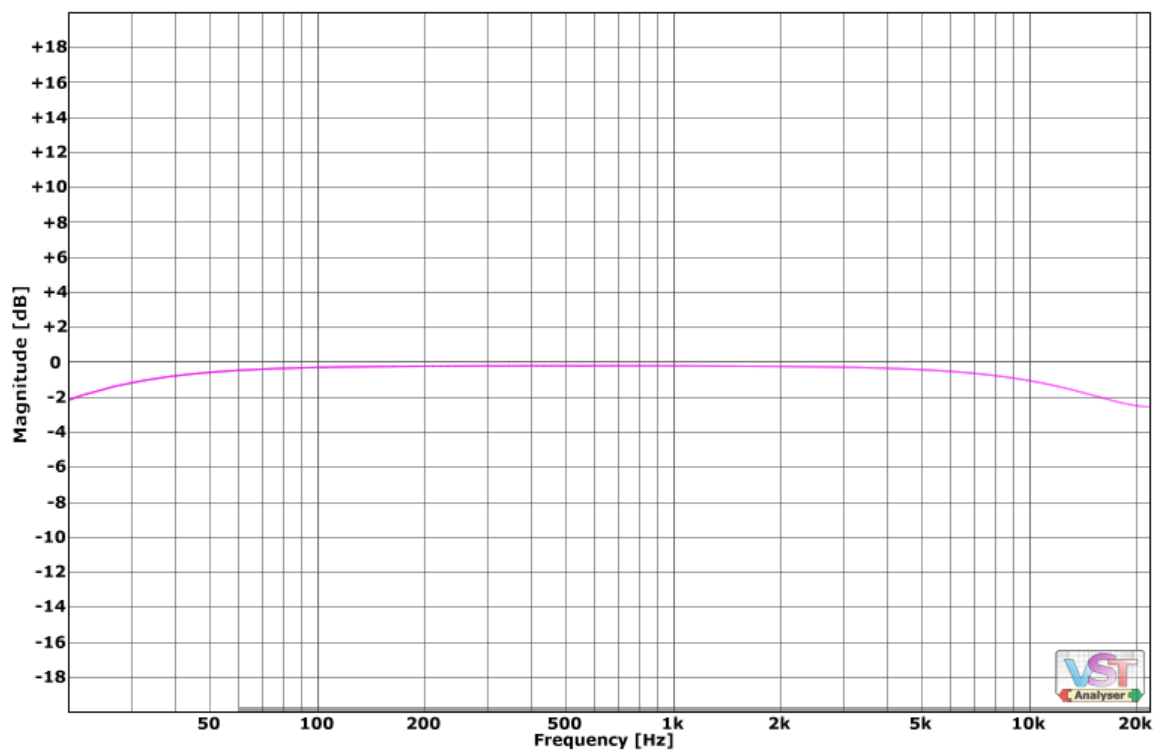
APPENDIX (all plots were generated @ 44.1 kHz)



THD - default settings (Drive = 0dB, PAD<sub>+/-10</sub> = off, Volume = 0dB)



Maximal THD (Drive = +24dB, PAD<sub>+10</sub> = on, Volume = 0dB)



Magnitude response - default settings (Drive = 0dB, PAD<sub>+/-10</sub> = off, Volume = 0dB)