Signal Noise SN06/SN06-G

Op-amp

INSTALLATION

The package should contain the following files:

SN06 OpAmp.dll   – 32bit GUI-less version

SN06G OpAmp.dll   – 32bit version with GUI

SN06 OpAmp x64.dll   – 64bit GUI-less version

SN06G OpAmp x64.dll   – 64bit version with GUI

sn06_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

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

DISCLAIMER

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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. Standard operation (left mouse drag) increases/decreases the value by 1dB. Holding the Shift key changes the steps to 0.1 dB. Optionally, use the text input next to the knobs for precision input. Ctrl-click resets the knobs to the default value of 0dB.
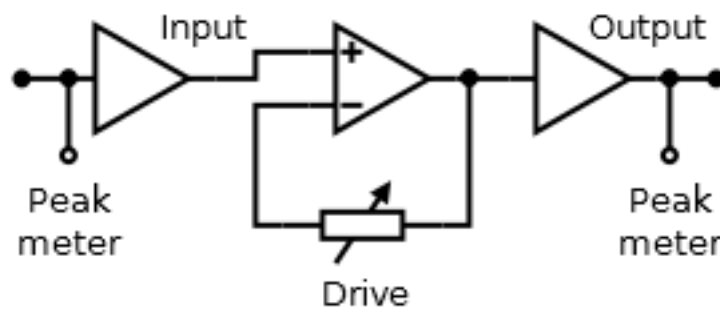

Figure 1.

CONTROLS

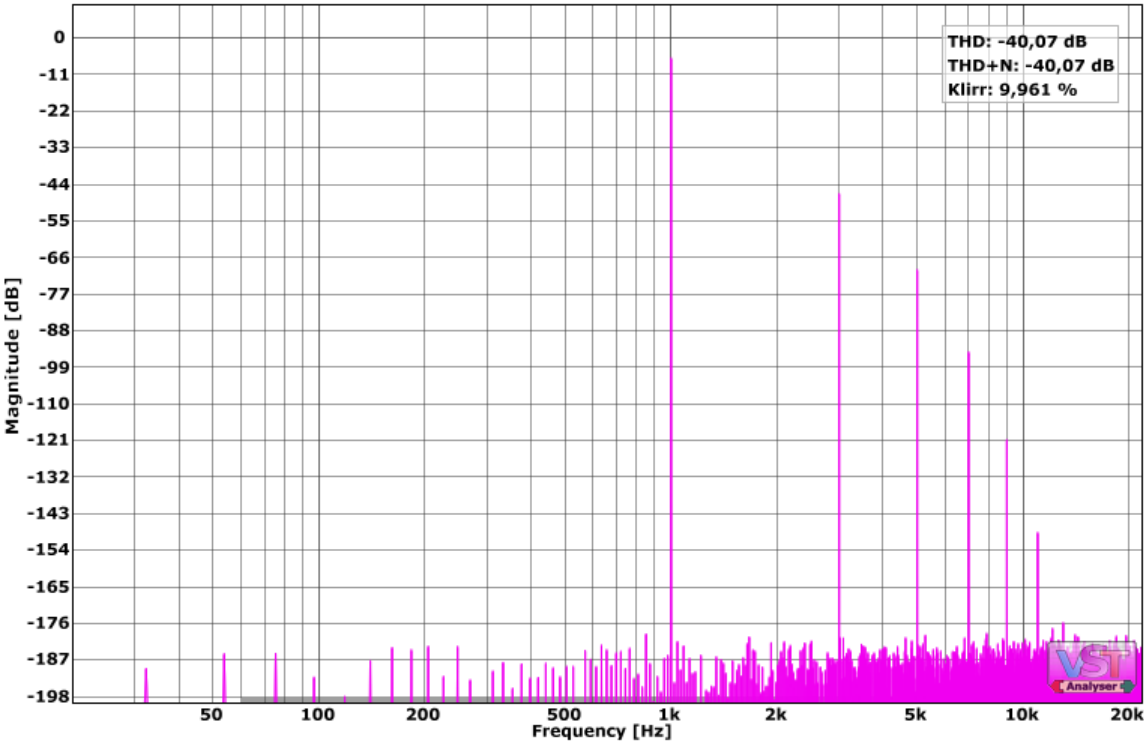

Figure 2. - GUI (default settings)

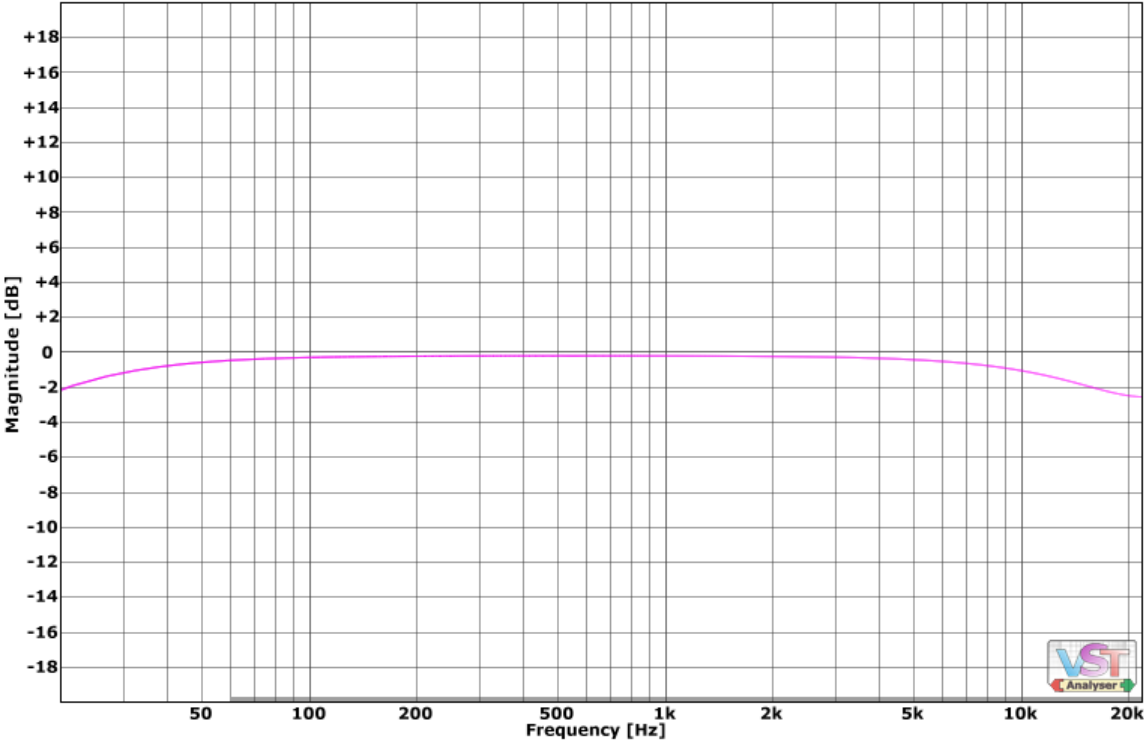1) **In:** Input attenuation or boost from -20 dB to +20 dB. Hold Alt key to adjust the Volume

control simultaneously in opposite direction.

2) **Drive:** Sets the amplifier gain from -8dB to +24dB. Hold Alt key to adjust the Volume control simultaneously in opposite direction.

3) **Volume:** Sets the output volume from -48dB to +16dB for easy gain staging.

4) **Peak meter:** Displays dBFS at input and output (for tapping points, refer to Figure 1).

5) **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

Magnitude response – default settings