

# Alessandro Boschi



# Audio Engineering



## AlexB - Vintage SideCar81 Console PRO

*Library for Nebula3 audio plugin*

Library Creator: Alessandro Boschi

Release Date: 09.2010

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### 1. Introduction

Welcome and thank you for purchasing the *Vintage SideCar81 Console PRO* library programs for Nebula. Now you have one of the best professional high quality audio software. I have spent countless hours to develop these no-compromise programs to give you only the best analog sound and the feel as close as possible to the real deal. I hope that my programs will help you to make better and professional mixes enjoying yourself... Because: Sound First !

If you have any trouble with my software please do not hesitate to contact me: [sales@alessandroboschi.eu](mailto:sales@alessandroboschi.eu)

### 2. System Requirements

- Intel or AMD CPU based PC or MAC computer
- 560MB free disk space
- Nebula2 or Nebula3 with installed commercial license

For the best results and low CPU load it's recommended to use the Nebula3CoreII "reverb" instance.

### 3. End User License Agreement

The purchaser of this library is free to use these Nebula Preset Programs for mixing, remixing, mastering, premastering, editing, and whatever it takes to make their recordings as great as the presets can help them to be. Only the actual purchaser of the library may use this library. That means no sharing. The cost is minimal, and goes to help me to continue creating the next release(s) :

I'm not a big company but a single person, so every sale is important !

If you purchase this library, do not share it: recommend it ! With each release there will be free release presets.

This program-library is for registered Nebula Commercial users only!

Do Giancarlo and Team at Acustica Audio the same respect of purchasing a legitimate copy of Nebula. The cost is the best deal on the planet, and they work tirelessly on this project.

Users are not permitted to re-release, copy, upload, mirror links to this library, and it may not under any circumstances be repackaged or included in other release collections without express consent by it's owner: Alessandro Boschi.

The user is free to edit and save new presets for their own use, and not to distribute to others. If you make an alteration to a preset that you like and find it useful, please save it as a new preset for your own use.

Thank you





#### 4. Installation

> Please install the last release of Nebula Plugin <

For PC Users:

Use the included installer to select your \nebulatemp repository folder to install the collection there. Or, you can simply copy all "n2p" files to your Nebula "Programs" folder and copy all "n2v" files to your "Vectors" folder.

For Mac Users:

Copy all "n2p" files to your Nebula "Programs" folder and copy all "n2v" files to your "Vectors" folder.

With the Nebula browser you'll find the "SC81" folder with the programs. With double click you can navigate into the "EQ" (equalizer), "IN" (input channel), "MB" (mix buss). "IN" and "MB" folders contain "full" (basic) and "se" (special edition) subfolders. The "EQ" folder contain "full" and "nd" (no distortion) subfolders.

- In the Nebula's MAST page it's better to set the RATE CNV at 3200ms or more to load correctly the library.

#### 5. About the original hardware

Custom built hand made by AlexB, the sidecar console has eight legendary vintage ClassAB preamps and equalizers which come from the '80 era with "a lot of character", and a vintage pure ClassA summing amp. A perfect tool for your submix or vintage mastering tone.

#### 6. The sampling process

Carefully sampled with all natural imperfection and nuance by myself - I'm over 15 years experienced in electronics and audio engineering - in professional recording studio with high quality audio and digital cables, master grade top notch converters with audio levels perfectly matched and calibrated at 96kHz sample rate. Precisely programmed without normalizing or other destructive digital processing.

#### 7. The programs

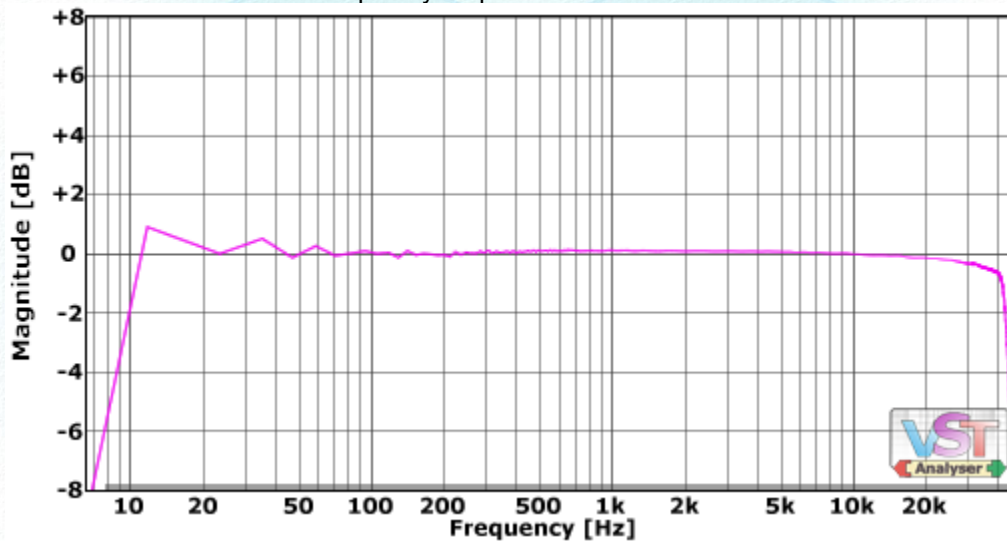
The basic programs have "full" harmonic and dynamic contents as the original hardware, the "se" programs are CPU friendly with less and different harmonic contents but with full dynamic as the basic version. Nobody with "golden ears" will say they sound exactly like the basic version, but they still sound great and are very usable. The special "nd" programs are clean without harmonic contents. In this way you can build your virtual EQ using the programs to obtain the desired amount of color and harmonics.



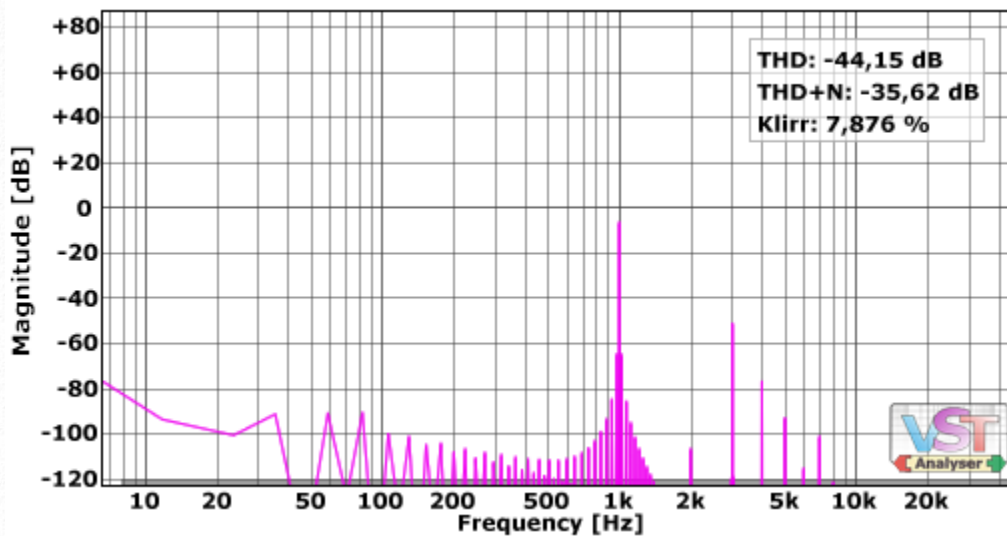
### 8. Audio characteristics

The original Marinair/St.Ives transformers give that rich harmonic sound with a lot of character thanks to ClassAB circuitry. At 0dB gain and changing the band control the unit shows different coloration at the sound for each band. Particularly the lovely saturation in the low band and the silky hi-mid with the classic pleasant roll off at the upper high: a characteristic which is present always on every band of the original equalizer, here sampled with the whole natural imperfection and nuance, thanks to a properly 96kHz sampling process.

IL1: Input line clean  
Frequency response at flat controls



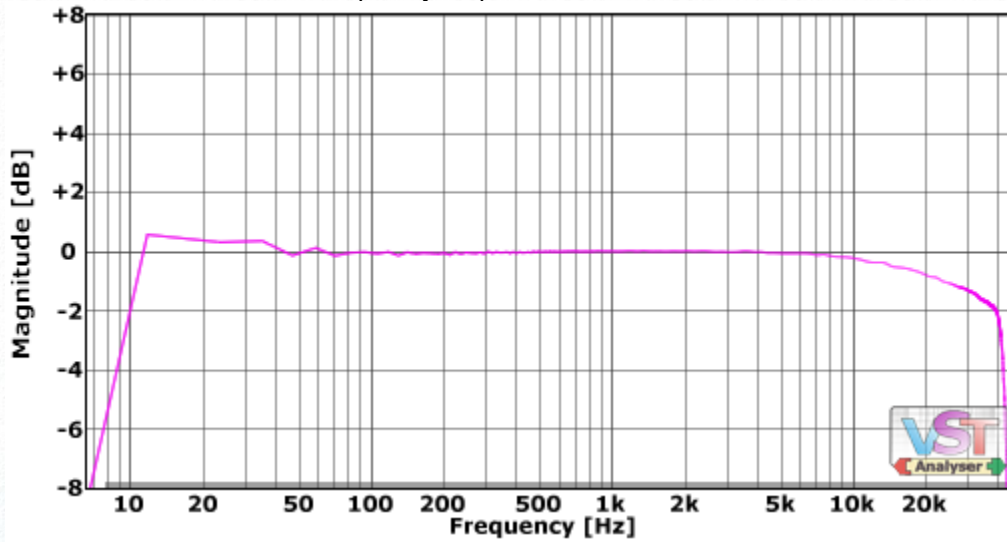
Harmonic contents at flat controls 1Khz -3dBfs test tone



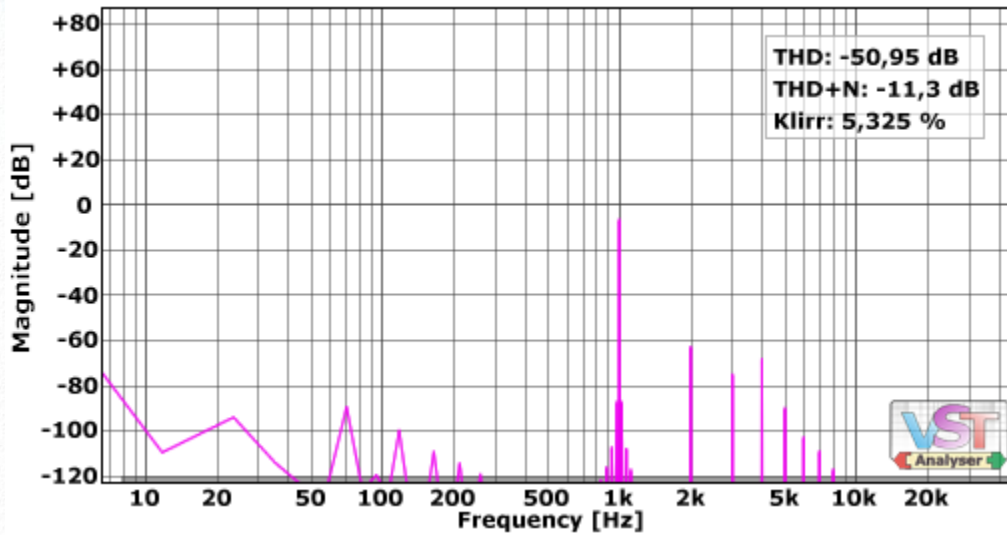




IM1: Input Mic clean  
Frequency response at flat controls

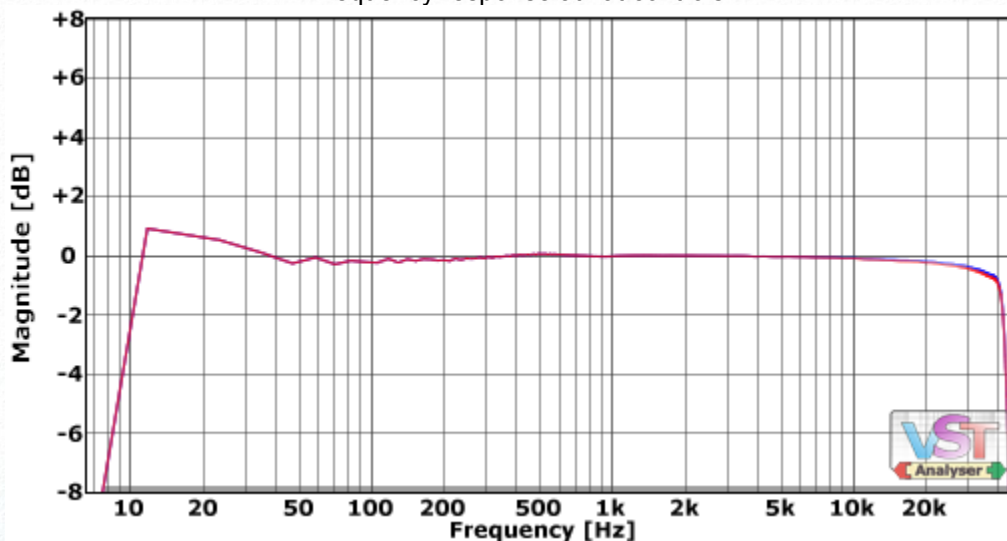


Harmonic contents at flat controls 1Khz -3dBfs test tone

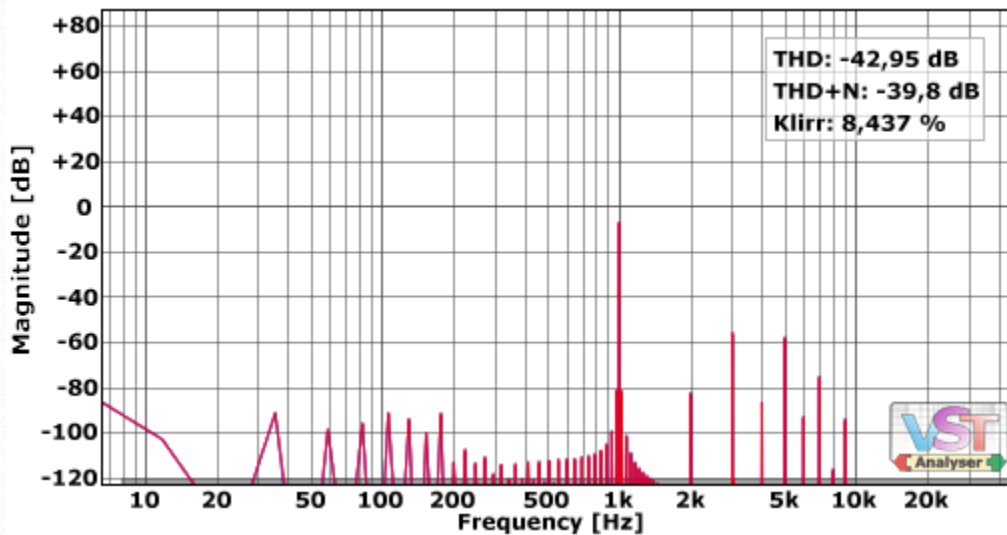




MBC: Mix Buss clean  
Frequency response at flat controls

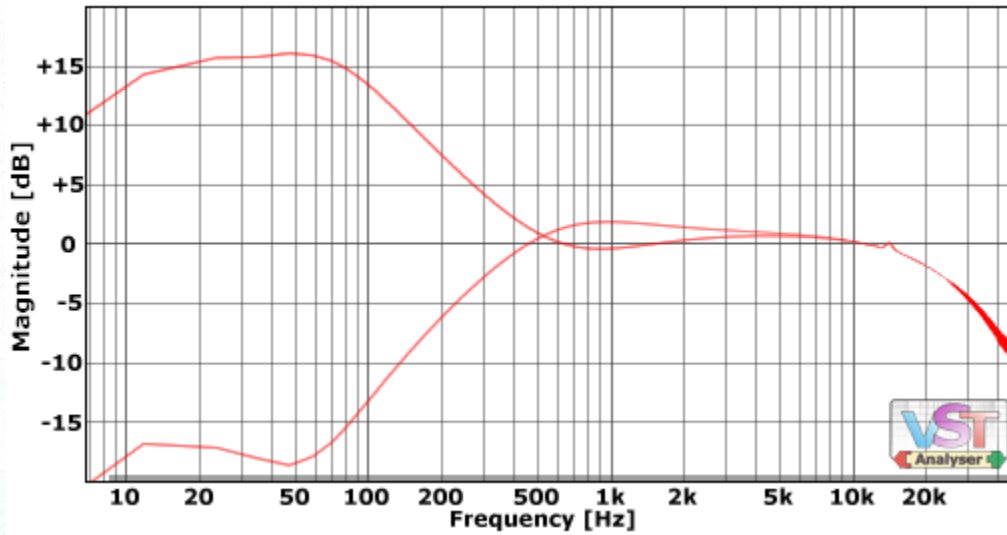


Harmonic contents at flat controls 1Khz -3dBfs test tone

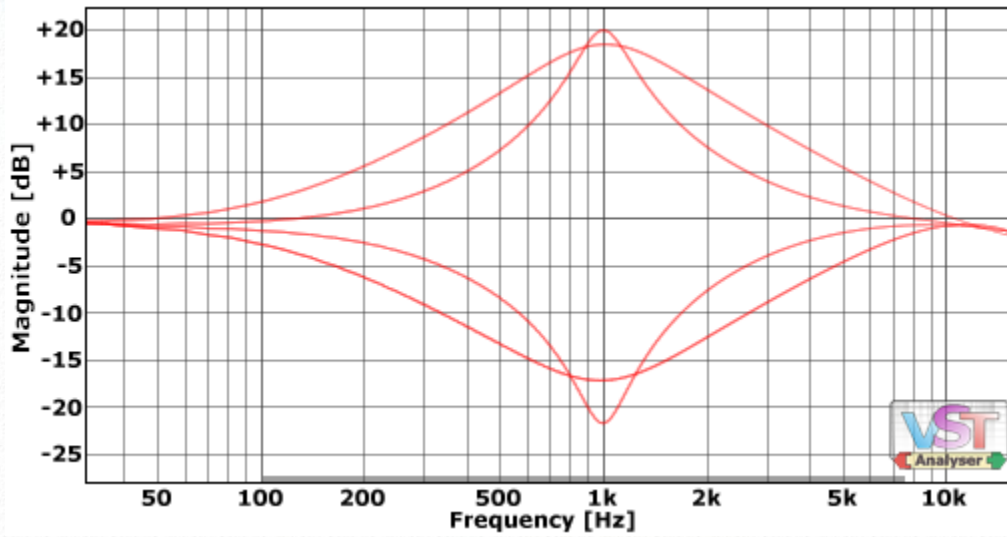




### Low Shelf Filters

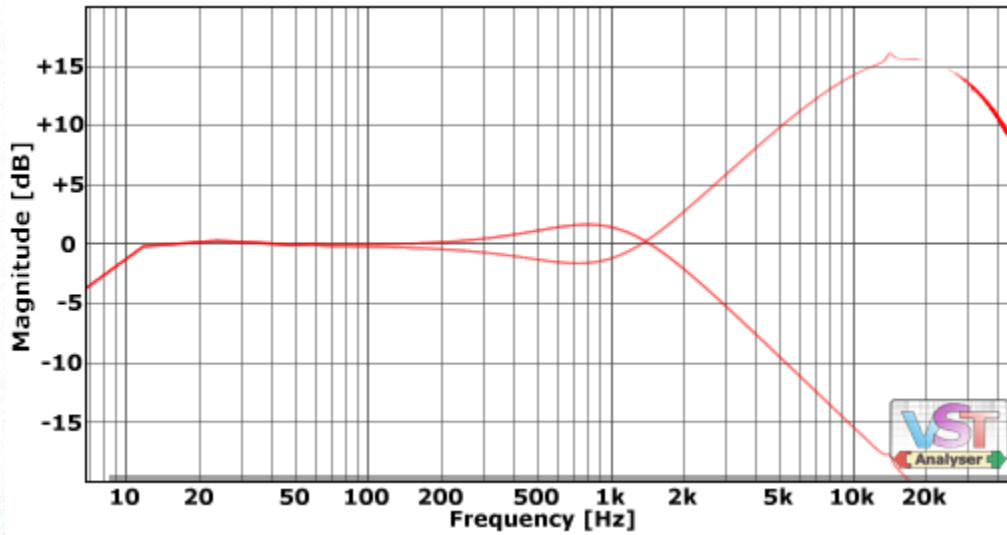


### Bell Filters

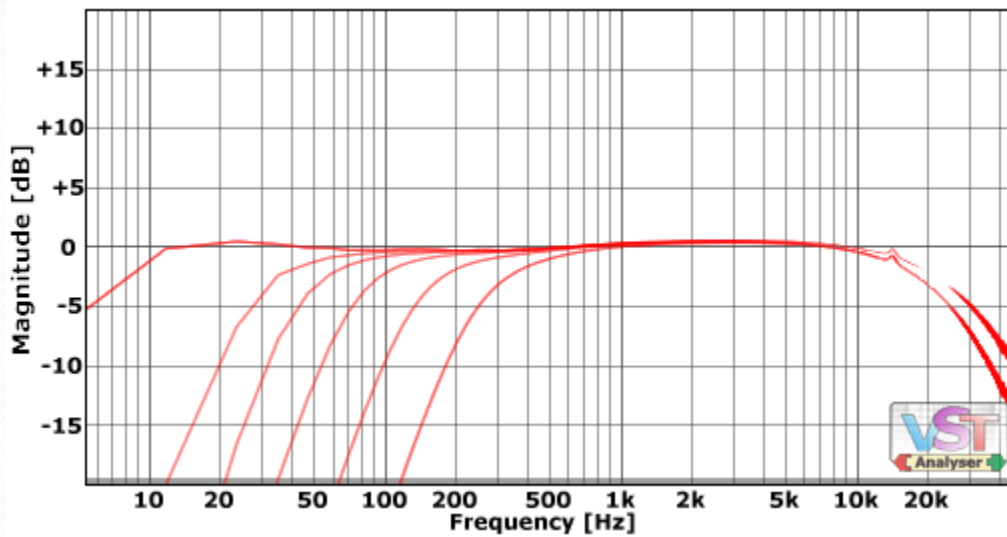




### High Shelf Filters



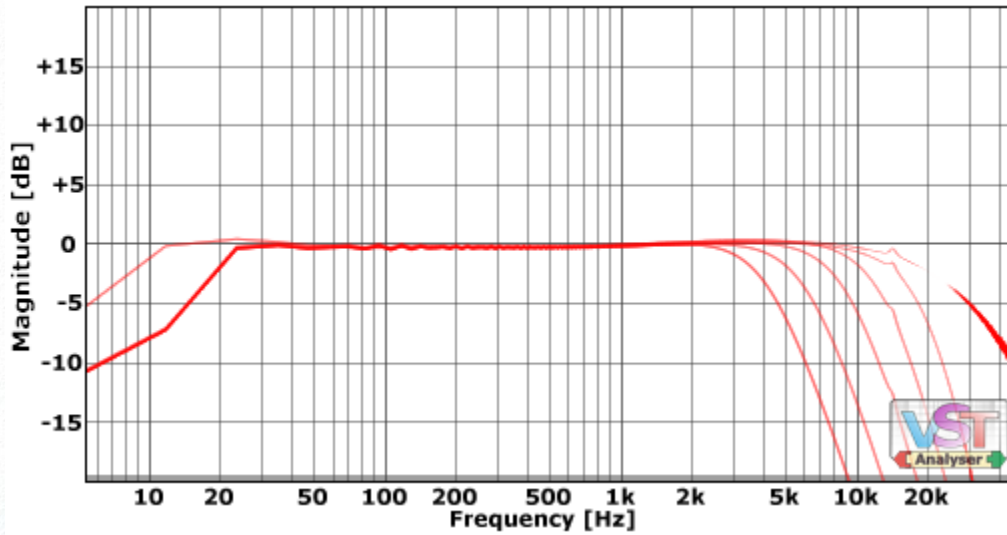
### Low Cut Filters : 27Hz, 47Hz, 82Hz, 150Hz, 270Hz



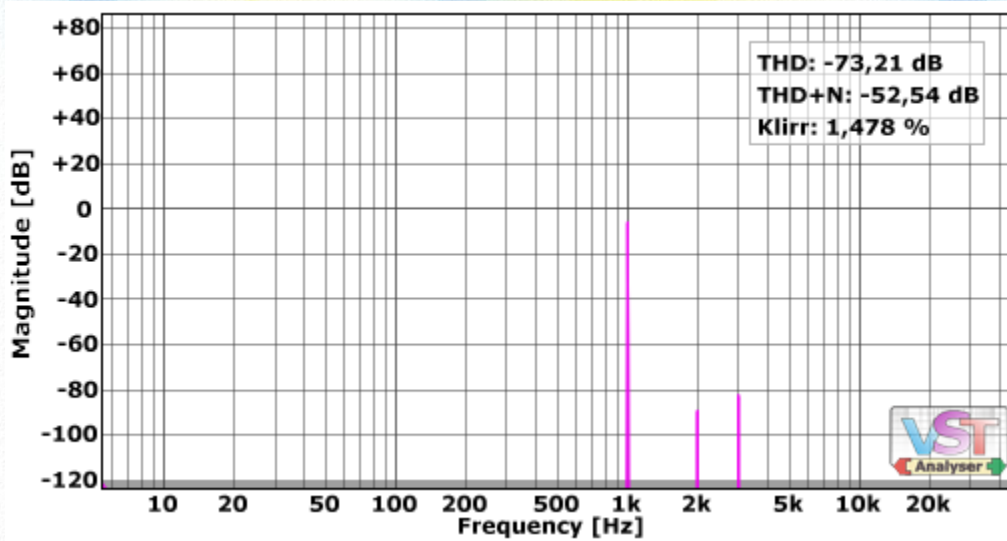




High Cut Filters : 3.9kHz, 5.6kHz, 8.2kHz, 12kHz, 18kHz

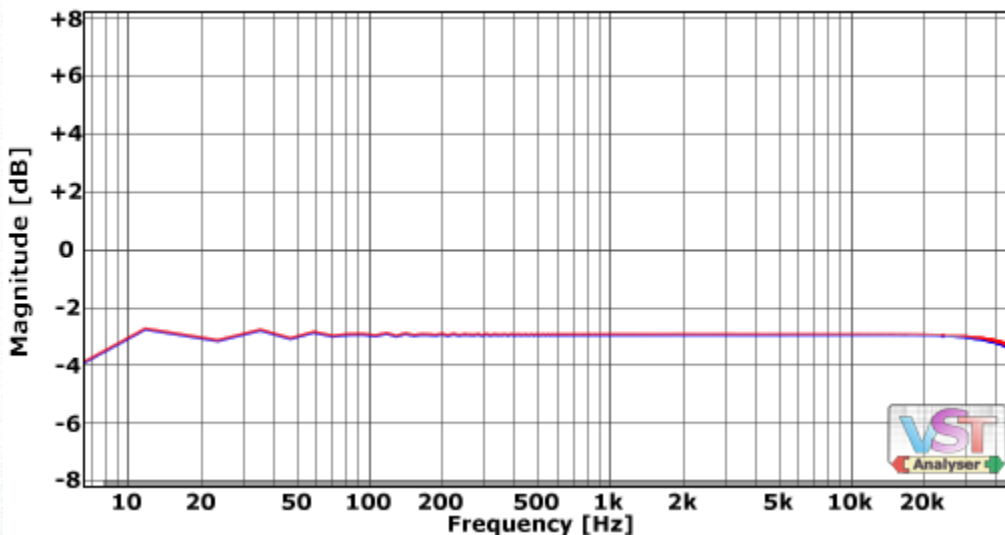


Harmonic contents at flat controls 1Khz -3dBfs test tone

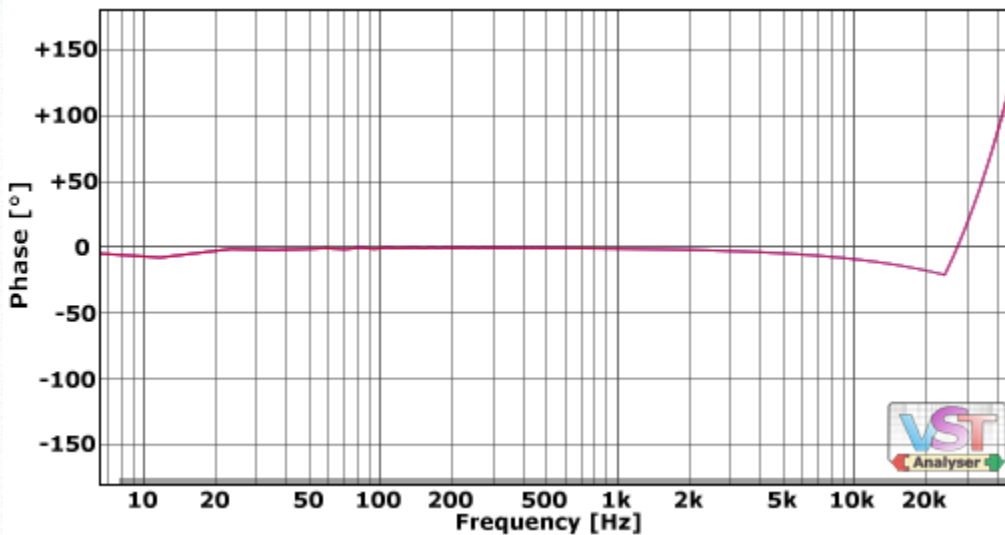




PAN -3: precision analog panner  
Frequency response at flat controls



Phase response at 0 (center pan)





## 9. Preset list:

The SC81 PRO library includes 27 different programs:

### **Console Input Channel mono**

Full programs 10k – se programs 5k

SC81 IL1 : Input Line Preamp Clean - by stock line channel

SC81 IM1 : Input Microphone Preamp Clean

With these presets Nebula will process the mono track normally and the stereo track as dual mono

### **Console Input Channel stereo**

Full programs 10k – se programs 5k

SC81 IL1 st : Input Line Preamp Clean - by stock line channel

SC81 IM1 st : Input Microphone Preamp Clean

These presets work better with stereo tracks giving more euphonic and wide sound

### **Console Buss Out**

Full programs 10k – se programs 5k

SC81 MBC : MixBuss Summing Amp Clean Sound

### **Precision Analog Panner**

program 1k

PAN -3 : Precision Analog Panner with pan law -3dB

### **Equalizer**

Full programs 3k – nd programs 1k

SC81 LCF : Low Cut Filter : 18dB/oct. slope, switchable between 27Hz, 47Hz, 82Hz, 150Hz, 270Hz

SC81 HCF : High Cut Filter : 18dB/oct. slope, switchable between 3.9kHz, 5.6kHz, 8.2kHz, 12kHz, 18kHz

SC81 LFs : Low Shelf : 33Hz, 56Hz, 100Hz, 180Hz 330Hz +/-18dB

SC81 LFp : Low Peak : 33Hz, 56Hz, 100Hz, 180Hz 330Hz +/-18dB

SC81 LM : Low Mid Bell : 220Hz, 270Hz, 330Hz, 390Hz, 470Hz, 560Hz, 680Hz, 820Hz, 1000Hz, 1200Hz  
+/-18dB, Low/Hi Q

SC81 HM : High Mid Bell : 1.5kHz, 1.8kHz, 2.2kHz, 2.7kHz, 3.3kHz, 3.9kHz, 4.7kHz, 5.6kHz, 6.8kHz, 8.2kHz  
+/-18dB, Low/Hi Q

SC81 HFp : High Peak : 3.3kHz, 4.7kHz, 6.8kHz, 10kHz, 15kHz +/-18dB

SC81 HFs : High Shelf : 3.3kHz, 4.7kHz, 6.8kHz, 10kHz, 15kHz +/-18dB





### 10a. Console emulation:

Just insert one instance of Nebula as first plugin in your tracks choosing the “Console Input Channel” that you prefer and insert one "Console Buss Out" on the mixbuss, use the precision analog panner or set the DAW pan-law to -3dB. Now start to mix your song.

The programs are unity gain. You can “drive” the console's stages using the main “Input control” (1) of Nebula instead to use the "Drive fader" (2) which affects the harmonic contents in an unnatural way, but suitable if you look for an effect. Please leave untouched the ATTCK, RELS and LIQDT controls (3).



### 10b. Using the eQ

Take in mind that every preset (every EQ band) has his proper harmonic contents, so they are different into low, mid and high. Normally you should use the FULL program for the band that you want to boost and ND program for cut. In this way you'll have the closest sound to the original hardware but of course you can mix the programs at your personal taste.

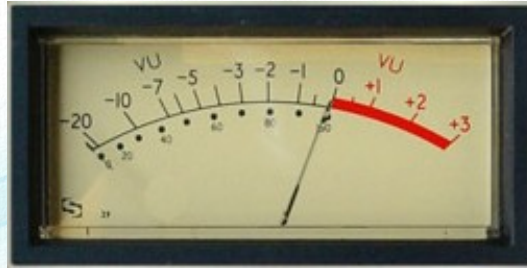
The programs are unity gain. You can “drive” the equalizer using the main “Input control” (1) of Nebula instead to use the "Drive control" (2) which affects the harmonic contents in an unnatural way, but suitable if you look for an effect. Please leave untouched the LIQDT control (3).



Take care with gain staging since the programs are close to the hardware, then: 0dBVU = -18dBfs.

You can use this free vintage VU meter by PSP:

[http://www.pspaudioware.com/plugins/tools\\_and\\_meters/psp\\_vintagemeter/](http://www.pspaudioware.com/plugins/tools_and_meters/psp_vintagemeter/)



If your DAW is not so powerful you can render or freeze the tracks.

If you want rendering your tracks with Nebula's presets, I strong recommend the NRGUI PRO by Zabukowski from Nebula/Tools forum:

[http://www.acustica-audio.com/forum/index.php?f=23&t=166&rb\\_v=viewtopic](http://www.acustica-audio.com/forum/index.php?f=23&t=166&rb_v=viewtopic)

Thank you, all the best !