

VSE-2
PLUGIN



VERTIGO VSE-2 GYRATOR OPERATION MANUAL

THE VERTIGO SOUND
VSE-2 DISCRETE GYRATOR EQ PLUGIN
– A PAINSTAKING HARDWARE
EMULATION WITH DISCRETE SOUND



The VSE-2 is the first independent Plugin release by Vertigo Sound.

The VSE-2 software provides all the fine sonic details of its 6500\$ analog counterpart plus new additional options like switchable bandwidth and control of the harmonic content.

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FEATURES OF THE VSE-2 PLUGIN:

- Discrete Gyrator EQ based hardware emulation
- Tube like distortion spectrum up to 1% THD
- Smooth and punchy vintage EQ sound
- Unique "A.I.R Mode" (Enhancement of the auditory threshold)
- 18 selectable frequencies
- Hi Pass Filter (OFF) 40-400Hz
- Cut & Boost steps +/-: 1dB, 2dB, 3,5dB, 5,5dB, 8dB with proportional Q
- Frequency bands can be switched indepently to "Broad" (Low Q)
- Additional Input and Output trims to avoid internal clipping issues in your DAW.
- All levels can be set directly at the VSE-2 EQ stage
- Harmonic Control with Drive LED

THE BASIC IDEA AND CONCEPT OF THE VSE-2 ANALOG COUNTER PART:

The VSE-2 is a 3-Band Dual Mono Equalizer with 18 selectable frequencies on each channel.

This EQ utilizes discrete circuitry in the EQ section only. The frequency is selected by a discrete gyrator circuit in each band. Cut and Boost are realized with a dual discrete operational amplifier which is also used in Vertigo Sound's Mic Pre – the VSP-2.

The discrete Gyrator concept gives you that gentle and smooth frequency processing everyone is looking for in nowadays digital studio environment.

The VSE-2 is another Big Impact Design and is setting a new benchmark for Tracking, Mix-Bus and Mastering applications. Unlike other EQs on the market the VSE-2 is equipped with six discrete gyrators and lots of matchless detailed features.

This unique set-up makes the sound of the golden decade of analog recording equipment available in today's studio environment.

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FUNCTIONALITY OF THE VSE-2 PLUGIN:

EQ IN:

Bypasses the Equalizer only, while Low Cut Filter and In/Out controls stay active.

POWER SWITCH BYPASS:

Bypasses EQ, Filter and In/Out controls.

FILTER:

The High Pass Filter is tunable from OFF to 400 Hz.

THE EQ SECTION:

The VSE-2 is a Gyrator based equalizer with proportional Q. The more you boost or cut the more narrow the bandwidth gets. In practice this characteristic is very musical. With a high Boost processing gets more focused around the selected center frequency and is not pushing too much the lower and higher areas around.

Q SELECTOR PUSHBUTTON:

Narrow mode is corresponding with the VSE-2 analog unit. Broad Mode is an extra feature which can be found at the plugin version of the VSE-2 only.

CUT/BOOST:

Cut Boost provides a maximum gain of ± 8 dB. The stepped Gain Steps are: ± 1 dB, ± 2 dB, $\pm 3,5$ dB, $\pm 5,5$ dB and ± 8 dB

The Cut and Boost section of the analog counterpart is realized using a fully discrete circuitry. The in house developed discrete operational amplifier is doing the job adding grip, while staying natural sounding at any time. This sonic behaviour was implemented minutely in the VSE-2 software version.

THE FREQUENCY SELECTOR:

18 Frequencies can be selected via rotary switches on each channel.

A.I.R MODE:

The Air mode (All Impedance Resonance) sets the gyrator to work at the auditory threshold. This mode is perfect to extend the frequency response at the top end limit without adding any presence or harshness. A.I.R. is a good alternative to 10k for any signals with high frequency content like cymbals, drums and full mixes. This mode is not processing the original signal primarily, but rather pushes artefacts and higher distortion products.

VERTIGO LOGO:

Shows the software Version of your plugin.

HINT:

The VSE-2 delivers a very unique soft and smooth processing performance so it's easy to overdo things. It's quite seductive to dial in especially frequencies like 5 k, 8 k and 10 k just a little bit too much. In the first time the VSE-2 gives you the impression to be very subtle and you might wish more drastic Cut Boost steps. This happens due to the listening habits using other more aggressive sounding Equalisers.

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VSE-2 PLUGIN TECHNICAL SPECIFICATIONS

AVAILABLE FOR:

MAC:
VST2, VST3 32 Bit & 64 Bit, AAX DSP, AAX NATIVE, AU (V2)

PC:
VST2, VST3 32 Bit & 64 Bit, AAX DSP 64 Bit, AAX NATIVE 64 Bit

MINIMUM SYSTEM REQUIREMENTS:

SUPPORTED OPERATING SYSTEMS
MAC OS X 10.8 THROUGH 10.13
WINDOWS 7 THROUGH 10

PRO TOOLS 10.3.10 OR HIGHER OR ANY VST/VST3/AU-COMPATIBLE
HOST RUNNING ON A SUPPORTED OPERATING SYSTEM

MAC
INTEL CPU ONLY (MINIMUM 2 GHZ RECOMMENDED)

PC
INTEL-COMPATIBLE CPU WITH SSE2 INSTRUCTION SET (PENTIUM 4 COMPATIBLE OR HIGHER;
MINIMUM 2 GHZ RECOMMENDED)

SYSTEM REQUIREMENTS:

DISPLAY RESOLUTION: 1440 x 900px OR 1280 x 960px OR HIGHER
MEMORY: 2 GB RAM

VERTIGO SOUND
ONE NAME STEPS OUT OF THE HERD

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