

VADIM TARANOV
AMP SIMULATION

USER MANUAL

RAVEN VOLCANIC



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1. Introduction

“Raven Volcanic” is a 32 and 64-bit PC VST plug-in that was inspired by design and tonal shaping capabilities of some modern boutique amplifiers.

The plug-in comes in two versions:

- 1) Demo with limited functionality and unlimited usage time; intended to demonstrate the plug-in.
- 2) Registered user version without restrictions.

Special thanks goes to Sean Redmond from the UK metal band Twisted Mentality for collaboration that inspired me to start working on the amp simulator.

2. Installation

Raven Volcanic is a Windows (PC) VST 32-bit and 64-bit plug-in. This means you will need a 32 or 64-bit digital audio workstation (DAW). If your DAW runs 64-bit you have to use a 64-bit version of the plug-in and/or if your DAW is 32-bit please use 32-bit plug-in.

Here are some tips on installing for:

-32-bit:

Extract Raven_Volcanic_DEMO.dll or if the plug-in was purchased, Raven_Volcanic.dll files into the folder that is meant to contain VST plug-ins and linked with your DAW.

For example it may be:

- 1) C:\Program Files\Steinberg\Vstplugins\

-64-bit:

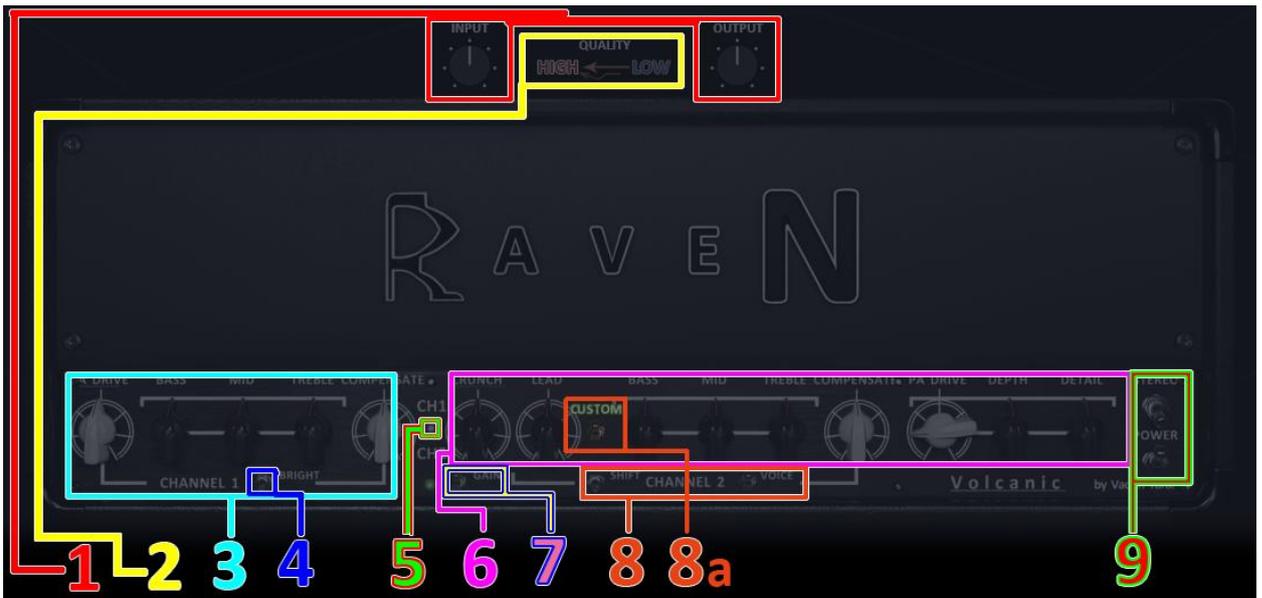
Extract Raven_Volcanic_DEMO_64.dll or if the plug-in was purchased, Raven_Volcanic_64.dll files into the folder that is meant to contain VST plug-ins and linked with your DAW.

For example it may be:

- 1) C:\Program Files\Steinberg\Vstplugins64\

When these files are extracted into your VST plug-ins directory, follow the further instructions of your DAW to enlist the plug-in into your DAW's 3rd party VST list. Then you can use Raven Volcanic as an external sound effect.

3. Usage



1 – Common signal loudness controls (red):

- *Input* – implies control over the input signal amplitude;
- *Output* – the final output volume control;

2 – Quality switch (yellow):

- *Quality switch* – allows switching between an oversampling that is multiple of 4 (**HIGH**), and a mode without an oversampling (**LOW**), which can be used as a “Draft mode” as it results in more digital artifacts presented to the sound, but less CPU usage. If your computer can’t handle working in the Stereo mode in real-time, then it’s recommended to use Low Quality mode. Always, when working in the Stereo mode, a plug-in consumes twice as much of CPU power required to process two (left and right) channels separately from each other. The LQ mode allows overcoming this problem and having that CPU consumption as if it was working in mono.

3 – “Channel 1” Amplifier controls – (light blue):

- *PA Drive* – sets the power amp distortion amount;
- *Bass* – controls the amount of low end before the power-amp;
- *Mid* – controls the amount of middle range before the power-amp;
- *Treble* – controls the amount of high end before the power-amp;
- *Compensate* – digital output volume control of channel 1;

4 – “Channel 1” Bright switch (blue):

- *Bright* – adds more treble before power amp in Up position

5 – “CH1 – CH2” Switch (green outlined red):

- *CH1-CH2* – switches between channel 1 and 2.
BLUE color indicates channel 1 operation – clean;
RED color indicates channel 2 operation – drive.

Put your mouse cursor over the colored LED and press left mouse button to switch the channels.



6 – “Channel 2” Amplifier controls – (pink):

- *Crunch* – gain amount for “Crunch” mode;
- *Lead* – gain amount for “Lead” mode;

7 – CHANNEL 2 MODES ARE SWITCHED BY “GAIN” SWITCH (MARKED YELLOW OUTLINED BLUE)

- *Gain* – position up (green) – crunch, position down (red) - lead;
- *Bass* – controls the amount of low end before the power-amp;
- *Mid* – controls the amount of middle range before the power-amp;
- *Treble* – controls the amount of high end before the power-amp;
- *Compensate* – digital output volume control of channel 2;
- *PA Drive* – sets the power amp distortion amount;
- *Depth* – controls the amount of low end before the power-amp;
- *Details* – controls the amount of mid-high end before the power-amp;

8 – “Channel 2” Switches – (orange):

- *Shift* – controls the low and high end harmonics behavior, in up position there is a little bit more dynamics and response, the low end goes a bit lower frequency wise;
- *Voice* – scoops the “body” frequency area at around 200Hz when in Up position, useful for metal.

8a – “Channel 2” Amplifier model – (orange):

- *Custom* – in position “Up” selects the wrong but yet beloved by some users 2nd channel model. In position “Down” selects the correct model – turned on by default;

9 – Stereo/Mono and Power switches – (red outlined green):

- Stereo/Mono switch (marked blue):

- *In the Stereo mode* you can process two totally independent from each other audio track. *It's recommended that* the two tracks to be hard panned left and right, so no bleeding or interference would occur between them.

Stereo mode is active in “Up” position.

- *Power switch* allows for turning the whole amp simulator down and bypassing the signal that comes through when in Down position.

4. Demo version restrictions



Raven Volcanic Demo is intended to acquaint a user with Raven Volcanic. Despite the fact that usage is unlimited in time it still has restrictions:

- All the knobs rotations are snapped by the step of 5 and for PA Drive knobs for 7;
- No Stereo mode and thus no HQ/LQ modes – demo only works in HQ mode.

If the demo version works well with your system then there is a big chance that the full version will work well and run smooth either. If it does not, then I'm ready to return your money. As an option, you can use PayPal customer protection system to get your money back.

5. User agreement.

By downloading the demo version you accept the following terms:

- When starting the plug-in for a first time you are going to take your audio system volume down to make sure that no damage occurs;
- You may use the plug-in on any computer system that belongs to you;
- You may not redistribute the plug-in among 3rd parties anywhere;
- You may not disassemble or decompile the plug-in.

Make sure that you automatically accept below listed terms when buying Raven Volcanic via PayPal:

- When starting the plug-in for a first time you are going to take your audio system volume down to make sure that no damage occurs;
- You have to wait until I prepare a special build for you. It's not going to happen immediately;
- You may use the plug-in on any of your computer;
- You may use the plug-in in your commercial projects;
- You may not redistribute the plug-in among the 3rd parties;
- The terms may be discussed to change.

6. Afterword and contacts

I hope reading this manual helped you to understand what Raven Volcanic is.

If there is no way for you to retrieve the full version then I still may consider giving it away if you uploaded a nice video or an audio clip on the Internet.

You can find me here:

<https://www.facebook.com/vadim.taranov.1>

Become a member of my group:

<https://www.facebook.com/groups/519788281506341/>

In this group you can find all the recent information about my VST projects, write a post, become a tester, talk to the other users and find more interesting stuff. Please make sure that to get into the group you must answer the pending questions that describe the rules and wait for an approval.

Or mail me at: pvdhp7@gmail.com