BODO VIRTUAL AMP

HOW TO USE

Introduction

BODO VIRTUAL GUITAR AMP stands for modern high-gain sound with a rich bass foundation and definition at the same time. Really a monster for all metal genres, low tunings and cutting lead sounds. It has an independent and pleasingly playable sound, which has become firmly established, especially in all kinds of metal genres. In the world of high-end high-gain guitar amplification, this amp with German roots is really a legend. Its ability to pile on all-tube distortion while letting every string ring out has made it a go-to amp for an incredible range of players.

The virtual amp is a direct replication with advanced algorithmic implementation of this famous boutique all-tube amplifier, to capture the sound in detail, as far as possible. The amp model has two channels: lead blue and lead red for cutting high gain sounds. For each channel also a dedicated busted variant is implemented that is driven from the legendary green tube screamer component, in front of this growling beast of an amp. Beyond the original, this Virtual Amp also has an adjustable Mid Frequency (M.F.) and an additional Mid Cut (M.C.) per channel, to give you the possibility to tailor the sound even more to your needs. To your convenience the Virtual Amp (VA) also comes with a built-in Impulse Response Loader for direct access to a built-in or loadable custom cabinet model. The VA can be played as stand-alone Program or as VST/AU plugin in your Digital Audio Work Station. Also, a quick record functionality (choosable in- or output) signal is available to record ideas directly in stand-alone mode as high quality 16-bit wav files. Furthermore, input and output level can be adjusted via dials and meters are available to visualize them. All VA Settings are automatically stored after each session and restored at the next start. Settings can also be stored via preset as usual.

We wish you much fun with this Virtual Amp and endless hours of unchained high-gain chugging experience.
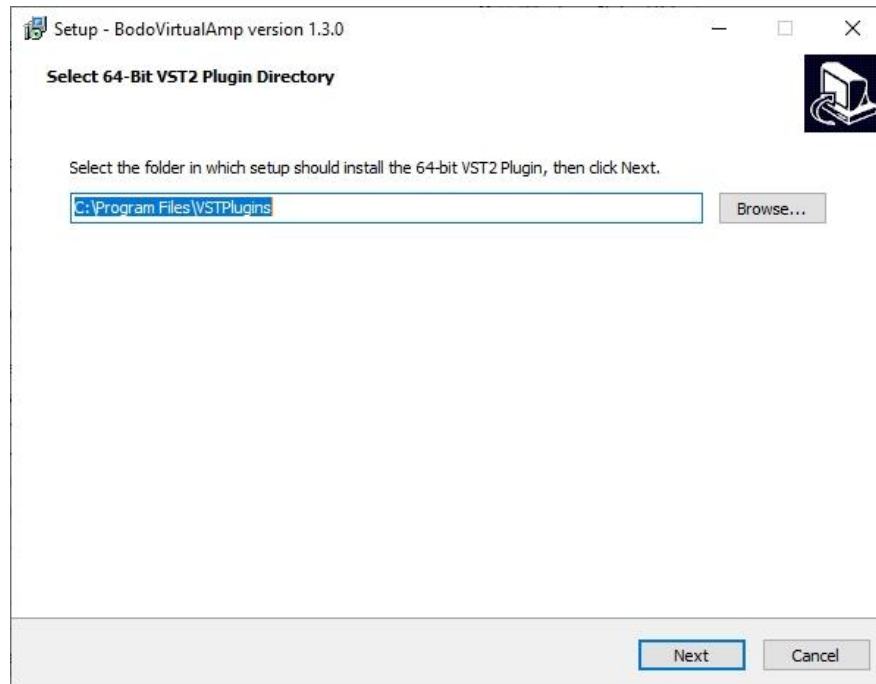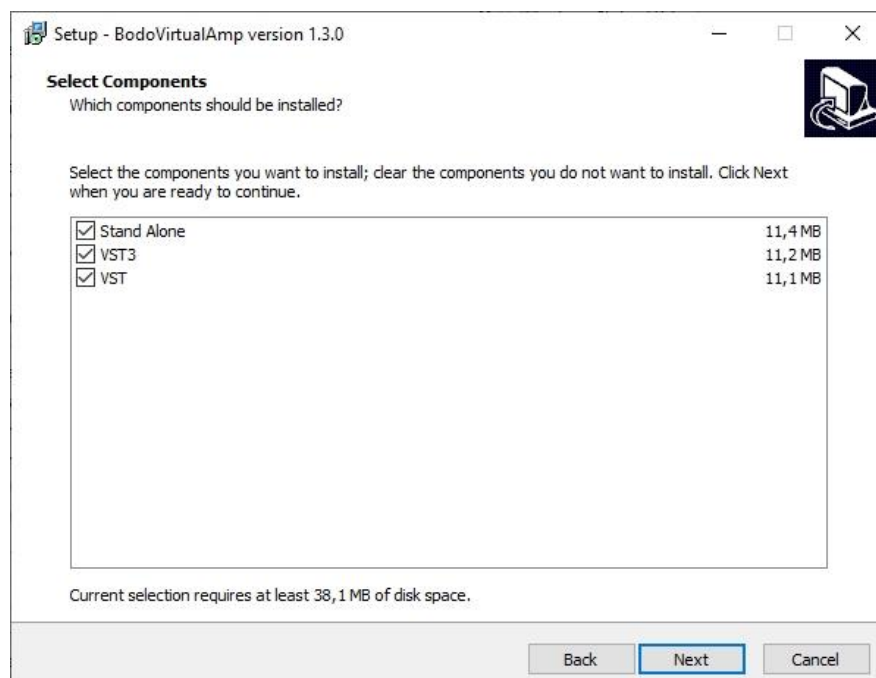
Installation of the Software

WINDOWS

Common installation procedure, please open the installation program:
BodoVirtualAmp_Installer.exe
and choose the installation path of the stand-alone application and the VST2 plugin, if you prefer to install it.
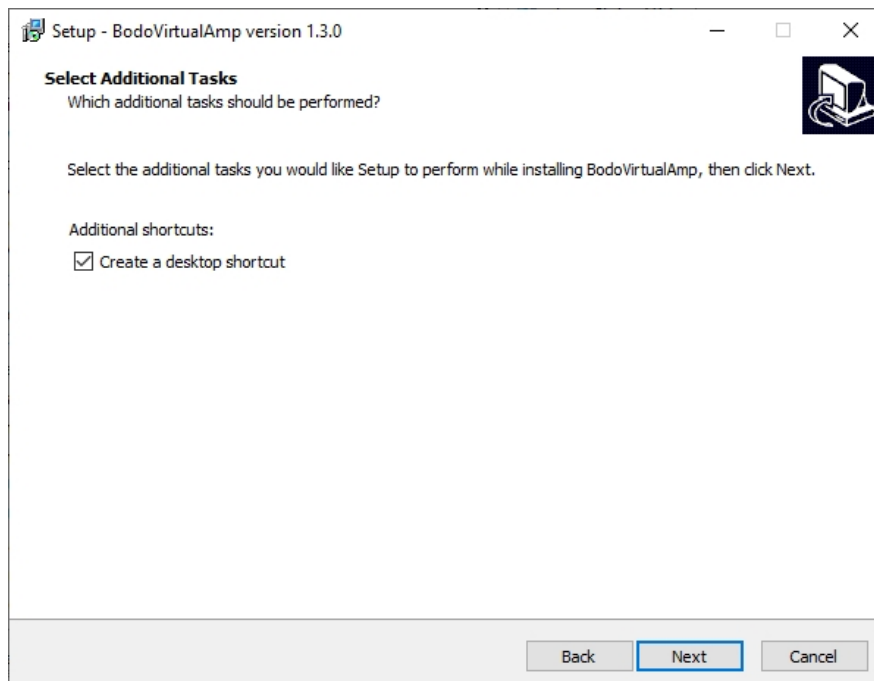
In the next dialog window, you can choose, which of the software parts you would like to install.
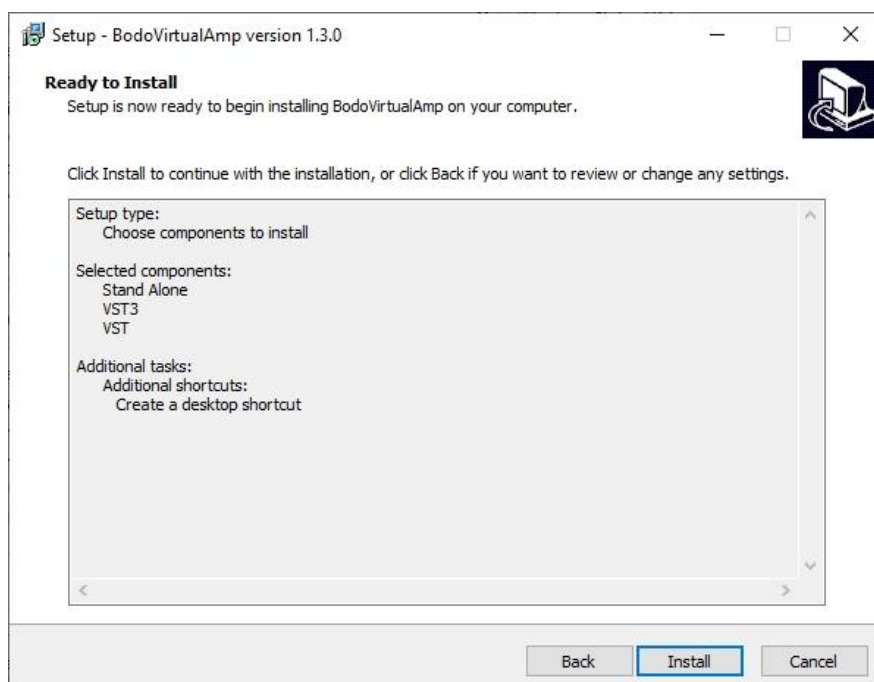
Remark: The VST3 Plugin will be installed in a standard folder on your system (usually: C:\Program Files\Common Files\VST3).

Furthermore, you can define, if a *Start Menu Folder* is created in the Windows start menu:
and a desktop shortcut should be created.

The last installation page finishes the procedure
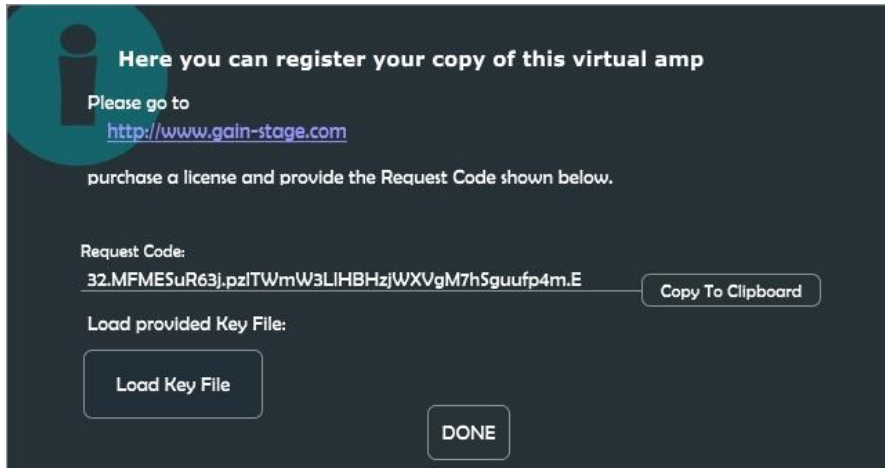
and you can now enjoy your new Virtual Amp.

MAC

Open *BodoVirtualAmp_Installer.pkg*. and follow the interactive install routine very similar as for the WINDOWS installation.
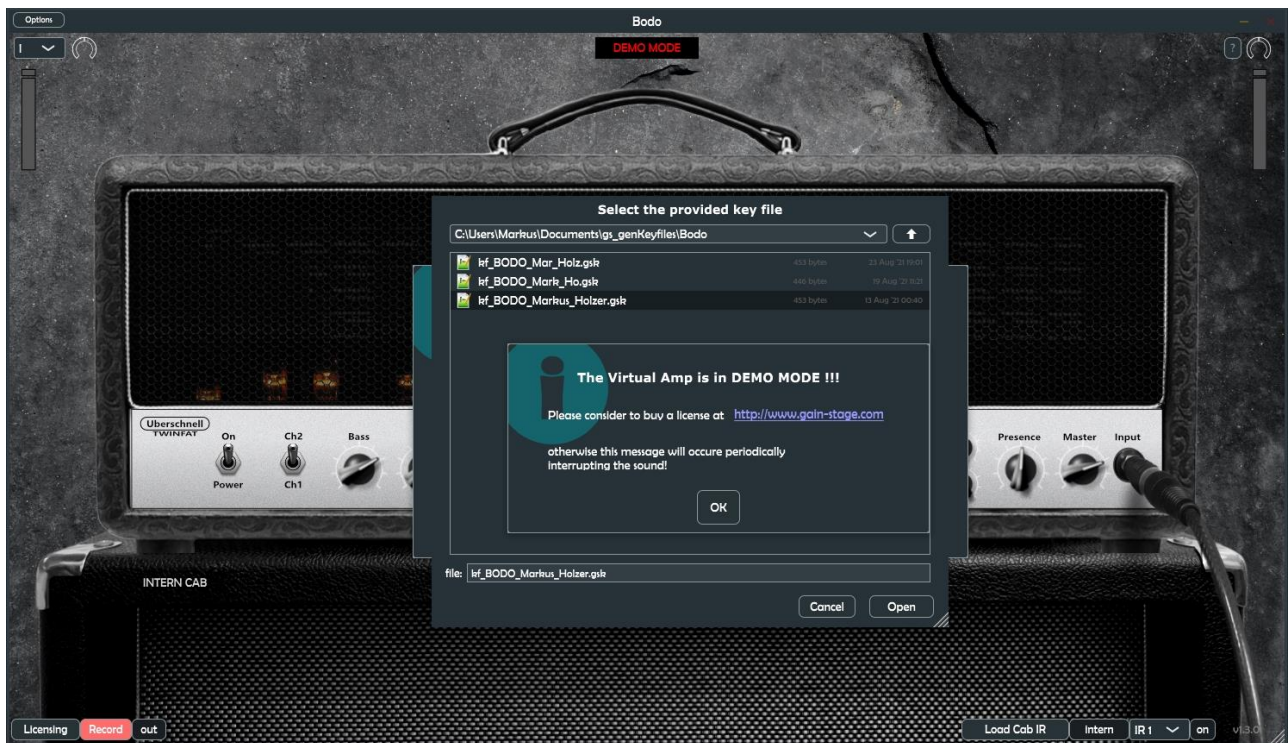
Registration of the Software

To overcome the limitations of the demo mode you can buy a license online at http://www.gain-stage.com and register your Virtual Amp via the dialog shown after pressing the licensing button (in the left bottom corner).
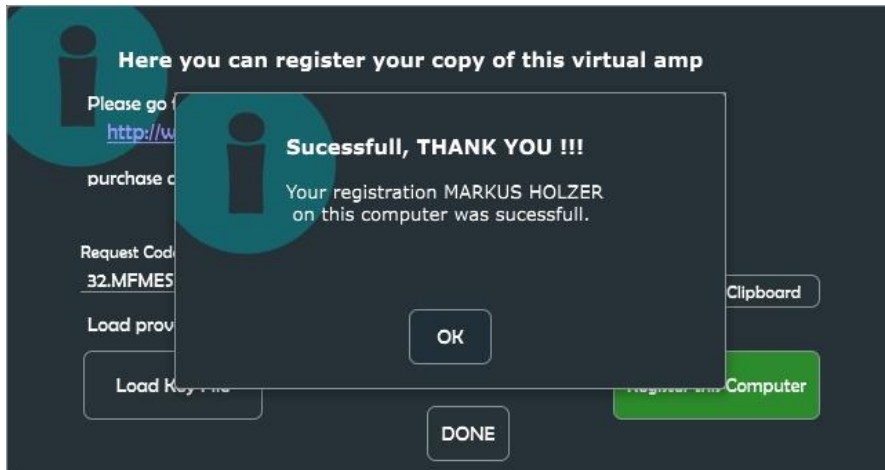

Copy the Request Code (a string like this: *32.H4+QETU5OoP91liIQeOEERhViyxIfCKE3KYgMgwaPy.*) and provide it to us, as we have stated after the purchase of the license. We provide you then a key file for the dedicated machine related to the request code. This you can load via the *Load Key File Button* and the occurring File Chooser Dialog.

and pressing the 'Register This Computer' button

After successful registration you can use your Virtual Amp without any limitations.
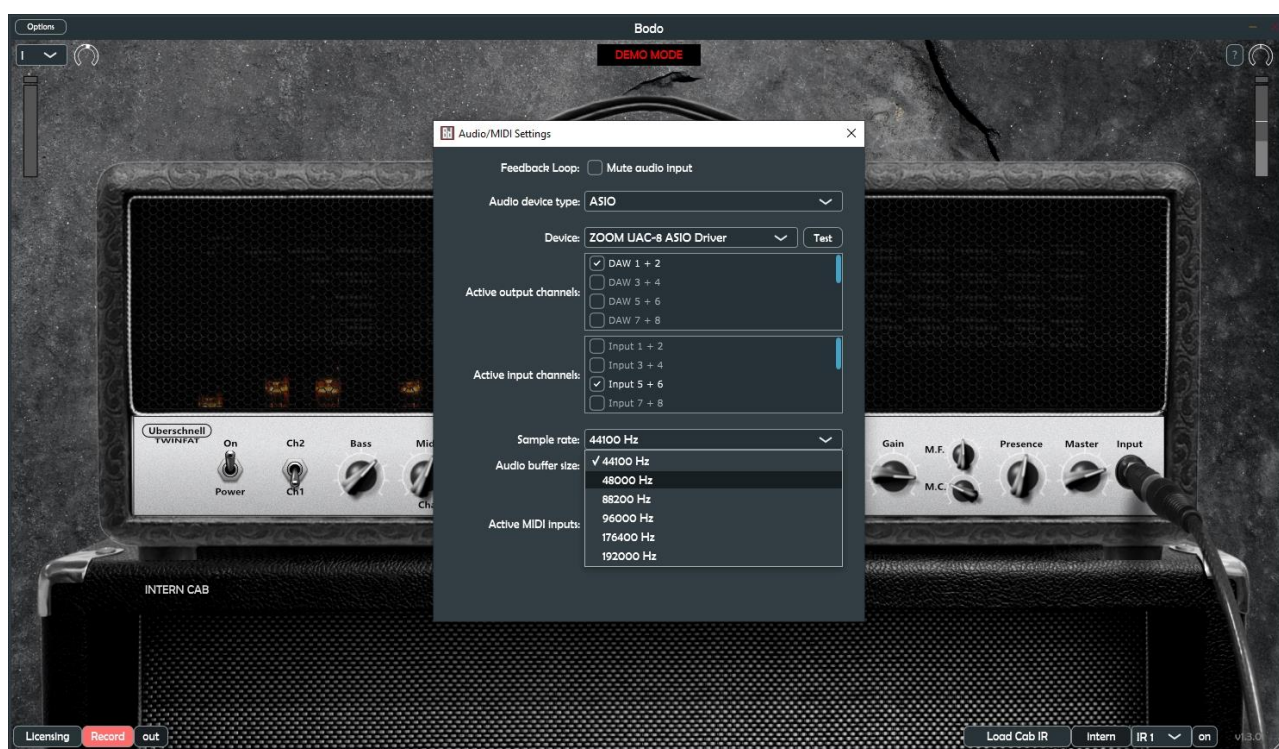
Please go to http://www.gain-stage.com for further product related information. You can also contact us via email: contact.gainstage@gmail.com for further support, questions and feedback of any product related kind.

Remark: The unregistered Virtual Amp is in DEMO MODE, which gives you the possibility to try out the sound, response and functionality of the software, but will open a DEMO MODE dialog box from time to time, that interrupts the user experience.

AUDIO Setup

Via the Options menu in the upper left corner, you can open the Audio/MIDI setup. Here it is important to choose the right audio driver. **For dropout free real-time convenience, it is recommended to use an ASIO driver.** Please then choose the right output and input channels according to your connections on the PC.
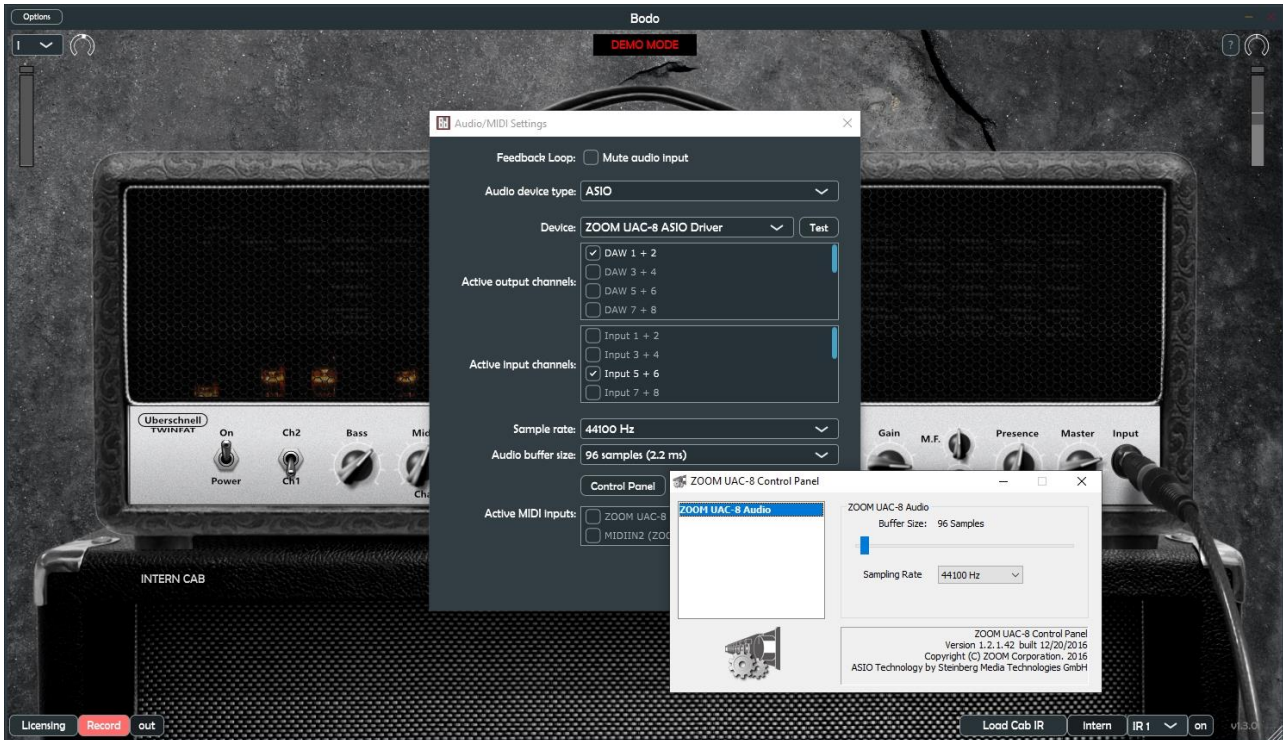
Remark: In the standalone application the VA only uses the 1st Input of a set stereo input pair.

After that, please set the *sample rate* according to your needs. As rule of thumb: the higher the *sample rate* the better the sound quality of the plugin but the bigger the *audio buffer* size must be set in your audio interface settings to not introduce distortion artifacts, to fulfill the real-time constrains.

SOUNDCARD SETUP

If the chosen *sample rate* introduces distortion artifacts to the sound of the VA you have to adapt the *audio buffer size* in the driver menu of your audio device. This can be opened, via the *control panel* button, as shown below:

here you have to increase the *buffer size* of your audio device until no distortion artifacts are hearable on a chosen *sample rate*.

Virtual Amp Settings

The self-explanatory *ON* switch is located at the left side. The channel switch to choose between the lead channel 1 (CH1) and lead channel 2 (CH2)[1] comes next.

After that the parametric equalizer (EQ) and gain section knobs for each channel are located. IN between the EQ sections a toggle switch to change engage the boost for each channel is placed (which is placed as usual in the signal path before the amp input) After the EQ sections two smaller knobs are placed (*M.F.* and *M.C.*), which can be used to shift the crucial Mid Frequency (*M.F.*) +/- 250 Hz around the center frequency of 750 Hz and dial in a Mid Cut

2: The Chosen channel is also indicated by the lights (LEDs) above the EQ section of the channel

(*M.C.*, rotation from right to left: 0 - 8 dB) filter at 250 Hz to get a more scoped and defined chugging rhythm sound. The sound stack of the amp concludes with the usual *Presence* and *Master* Knob (overall volume). To your convenience, all set parameters of the amp are automatically and persistent stored after closing the *stand-alone* or *plugin* Virtual Amp in between sessions. You can also generate user specific preset files to store a dedicated setup for a future session via the Options or DAW (Digital Audio Workstation) menu.

USE INTERNAL AND EXTERNAL IRS

The Virtual Amp comes with a built-in **Impulse Response (IR) Player**. All related buttons are located at the right bottom of the GUI. The IR Player includes several intern *Speaker Cabinet* models selectable with a dropdown box and also features the capability to load external IRs with a *Load Cabin IR* button.

When pressed, a file choosing dialog opens up (the last used path is always stored to your convenience) to choose an IR audio file (in *.wav format).
You can switch from intern to extern IR via *intern/extern* button. The IR based cabinet emulation can also be switched off, to use your own *Impulse Response Player* (*on/off*-Button at the right lower corner).
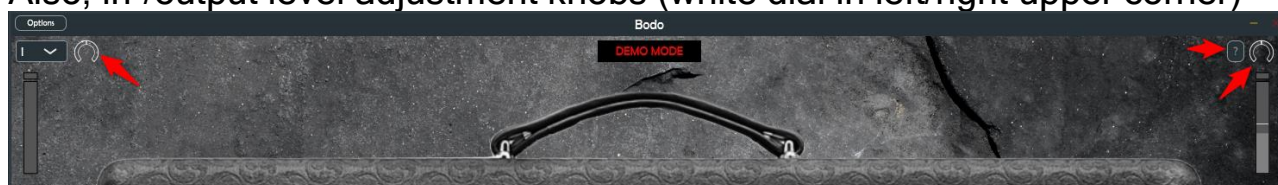
Additional Settings

In the standalone application you can choose which input channel of the chosen stereo input pair shall be used.

In the left upper corner, you can choose via drop-down menu between the

- 'l': left,
- 'r': right,
- 'l+r': left + right (Note: This will sum both input channels and is not two channel / stereo mode!)

Also, in-/output level adjustment knobs (white dial in left/right upper corner)

are available to fine adjust the levels accordingly +/- 8dB, for your convenience and in addition to the audio interface.

An online help of all crucial buttons is available and could be deactivated by the '?' button in the upper right corner.

Furthermore, in the standalone application, you can choose for the record functionality if you would like to record the clean guitar input signal ('in') (for future sound decisions) or the output of the amp as it is currently dialed in ('out').