

# AMPLIFIKATION ONE

## User Manual



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## Congratulations and thank you for your purchase of KUASSA Amplifikation One!

We encourage you to take the time to read this User Manual thoroughly to ensure trouble free and proper operation of the software.

Kuassa Amplifikation One is a guitar amp modelling software which finally help you to create realistic guitar tones and build great tracks immediately without any obstructive workflow or confusing parameters to handle with.

Amplifikation One is a guitar amp modelling software. This “guitar amp on your PC” captures the dynamics and characteristics of hardware distortion modules, head amplifiers, and cabinets, captured by various types of microphones in multiple configurations. Users are able to control every aspects of the software just like real guitar amplifiers including (but not limited to) gain structure, tone, mic position, and distance.

Amplifikation One is not an emulation or modeled after specific amplifier, we try to capture the best aspect of schematic designs, tubes, electronics and computer programming to achieve the supreme tone for your guitar through your personal computer while maintaining the user interface as easy as possible.

**Kuassa Amplifikation One: *Stop messing around with your gears, get productive!***

### Key Features :

- Straight forward and easy to use user interface
- 8 head amplifiers, noise gate & 5 distortion modules
- 5 Internal cabinet models, users are able to use 2 cabs simultaneously
- Built-in 4 Channel Impulse Loader with selectable routing options, Up to 8192 IR Samples
- Mono or Stereo Cabinet / IR Loader options
- 5 microphone types (straight or angled)
- Mic distance and free positioning of mic around the speaker
- Dedicated input and output volume control
- Saturation, output limiter and up to high quality 4x maximum oversampling to the amp calculation
- Support up-to 96000Hz Sample Rate

### System Requirements:

#### Windows:

Windows XP or Later (32/64 bit)  
Intel Pentium 4, or AMD Athlon XP or better (Core2 Duo or Athlon64 recommended) with 512MB minimum RAM  
VST compatible host/sequencer\*

#### Macintosh:

Mac OSX 10.5 or later (32/64 bit)  
Intel Pentium 4 , PPC G4, or AMD Athlon XP or better (Core2 Duo or Athlon64 recommended) with 512MB minimum RAM  
VST or AU compatible host/Sequencer\*



### No DirectX or RTAS format.

Users can use “VST-DX Wrapper” or “VST-RTAS Adapter” but we do not provide any support for those wrapped plugin.

# Installation

## Mac OSX 10.5 or later

1. For Mac installer(.mpkg) format, double-click the installer and follow the instructions. The installer automatically point to your Mac's default VST "Library/Audio/Plug-Ins/VST/Kuassa" or Audio Units "Library/Audio/Plug-Ins/Components" path. Alternatively you can customize the installation target to specific folder.
2. For compressed format (.zip), open the plugin folder in Finder, and simply copy the contained plugin file to your plugin folder listed below:

**Mac Audio Unit** (AmplifikationOne.component) : ~/Library/Audio/Plug-Ins/Components

**Mac VST** (AmplifikationOne.vst) : ~/Library/Audio/Plug-Ins/VST/Kuassa

Note for MacOS X users: you must be logged in to a user account with administration privileges to run the installer.

## Windows XP or later

1. For Windows Installer (.exe), double-click the installer and follow the instructions. The installer automatically point to your system's default "VST Plug-ins" path. Alternatively you can point the installation target to specific folder. Most VST host already have a "Plugins" or "VSTplugins" folder inside it's installation directory, or you can point the host to read any folder you choose.
2. For compressed format (.zip), open the plugin folder in Windows Explorer, and simply copy the contained plugin file to your plugin folder listed below. Please note that the folder location can vary depending on system, but the default location is:

**Windows VST** (AmplifikationOne.dll) : C:/Program Files/Steinberg/VstPlugins/Kuassa

## Uninstallation :

### Mac OSX 10.5 or later

To uninstall from OS X, simply delete the plug-in from your VST folder, which is usually located at "~/Library/Audio/Plug-Ins/VST/Kuassa", and your Audio Units folder, which is located at "~/Library/Audio/Plug-Ins/Components".

### Windows XP or Later

Use "Add/Remove programs" or "Programs and Features" from the Windows Control Panel. If Kuassa Amplifikation One does not listed, delete the .dll file from your VST plug-in folder.

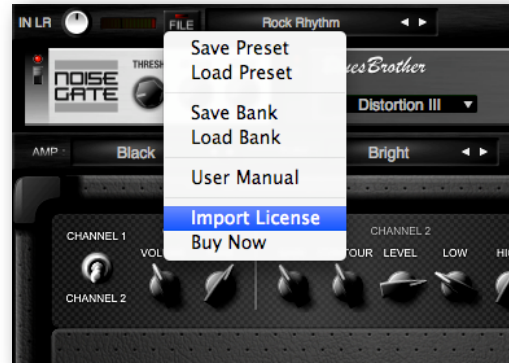
## TIPS & TRICKS :

Record the same part twice, then set the first one's panning to the left and the other one to the right, now you get a wide image of that part. Or, you can put both on the same positions, the timing and phrasing difference will enrich the tone and thicken the part.

You can try to double the solo guitar too. Another trick is to play the same part on different octave, different settings and/or different gears.

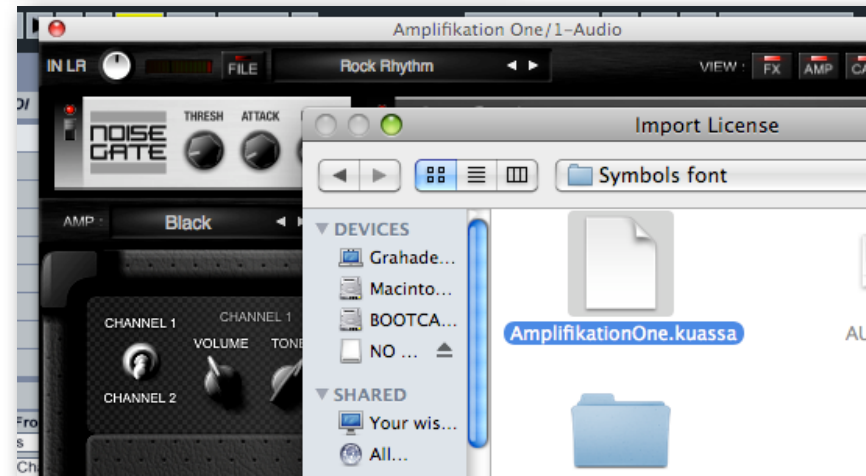
## Authorization

1. Click the **[File]** button on the top-left of Amplifikation One Interface, there, you will find a selection box titled **[import License]**.

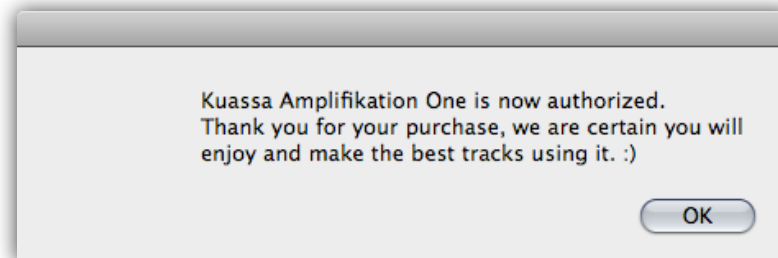


2. Locate the *License File* **[AmplifikationOne.kuassa]** obtained from the confirmation e-mail sent to you after you purchase Amplifikation One from our web store.

Note that the *License File* contains your personal information used to authorize Amplifikation One.



3. After you locate the *License File*, a pop-up box confirming that you are successfully authorize your copy of Amplifikation One will show.



### TIPS & TRICKS :

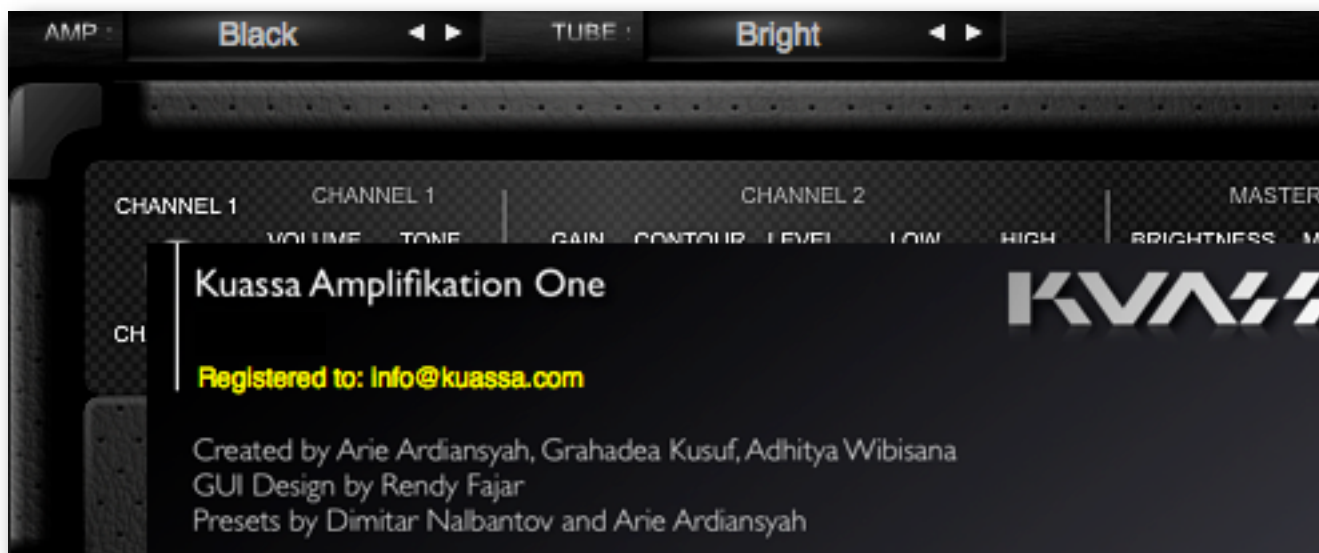
Don't forget to change your strings before important recording session. With new strings, your axe will have more clarity, notes will sustain longer, and tuning will be consistent.

Using a good quality cables and connectors make big difference in your tone and level. There are still a lot of players who are not willing to invest in good cables and connectors.



## Authorization (Cont'd)

4. To check if you have completed the authorization process, just simply load the *About Box* by clicking the Kuassa logo on the bottom-left corner. If your authorization is successful, your name and your e-mail address will be shown on the *About Box*. You will also notice that the generated noise on the Evaluation Version is now gone.



5. That's it! Enjoy your copy of Amplifikation One, Cheers :)

### TIPS & TRICKS :

Your effects/stompboxes routing can be a nightmare to your tone. So, when normally you use 200 pedals when playing live, you don't have to put it all together on a recording session. Take everything out of the chain, only put the pedals you are using on that particular line/track.

Distortion and wah pedals are normally recorded directly. Modulation and time-based pedals (such as delays, reverb, phasers) can be duplicated from the computer easily. If you really want to use those modulation pedals, you can record 2 tracks: First, record the "wet" signal with 100% blend with those effects. Second, record the "dry" signal without those pedals. Then you may balance those two takes from the computer.

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## Quick Look



### Input section:

Bypass button, overall input control. And [File] Button located for preset management, and License import for authorization process

### Effect Units Section:

Noise gate and selection of distortion modules with configurable parameters

### Amp section:

Choose from 8 head amplifiers and 3 tube saturation type to use. Controls are very easy, just like your typical "hardware amp"

### Cab Section:

There are 2 modes of operation available for this section:

- Internal Cabinet:

There are 5 cabinets and microphones to choose from, complete with phase reverse button, distance slider and mic angle selection.

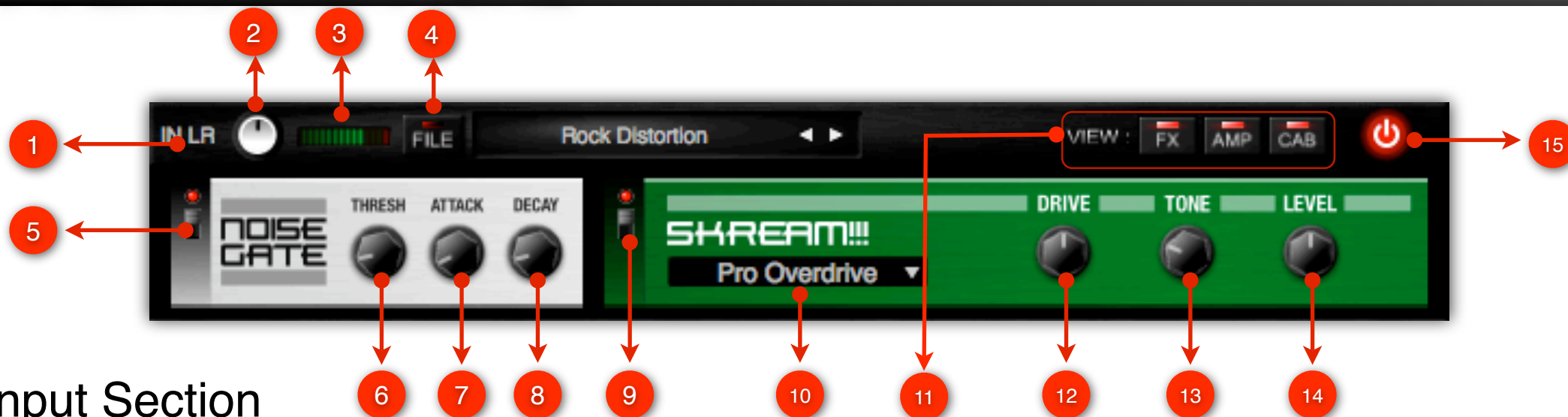
- Impulse Loader:

There are 4 channels of Impulse Loader with five selectable routing configurations.

### Output section:

The red slider is the volume balance between both cabinets. On the right corner is the limiter button, overload indicator and the global output volume knob.





## Input Section

1. **Input Channel Switch:** Click here to switch incoming input signal channel from your soundcard. L, R, or L+R can be selected
2. **Input Level:** Controls the level from your soundcard. You may turn it to the maximum without worrying of overloading the amp.
3. **Input Meter:** Show the level from your soundcard.
4. **Save/Load Presets & Bank:** Press to save and load your amp settings. You can also save as “bank” which contains maximum 24 presets. The name of active preset will be displayed.
5. **Noise Gate On/Off:** Enables or disables the noise gate utility.
6. **Threshold :** Sets the minimum level where the Noise Gate will do its job. If the input signal level is below threshold, the noise gate will kick in by reducing the signal according to the Attack & Decay settings.
7. **Attack :** This controls the time how quickly the gate will open when the signal is above the threshold level.
8. **Decay :** Determines how quick the gate closes once the signal has fallen below the threshold level.
9. **Effect Unit Power Switch :** Turns the effect units on or off.
10. **Effect Unit Selector Menu :** Choose from 5 types of overdrive/distortion units.
11. **View Buttons:** Used to show/hide each section of the plugin
12. **Drive/Gain :** Adjusts the amount of overdrive/distortion.
13. **Tone :** Controls the tone of the sound. Rotating it clockwise will make the sound brighter/shaper, counter- clockwise will make the sound milder/darker.
14. **Level :** This sets the output level which will goes into the amplifier.
15. **Plugin Bypass Button :** Turns on or off the whole plugin.



## Distortion Units:

**Skream!!!** creates the sound similar to an overdriven tube amp.



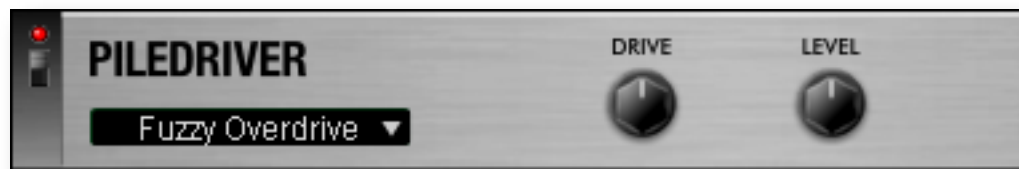
**Distork** can produce from light distortion to hard edge distorted sound.



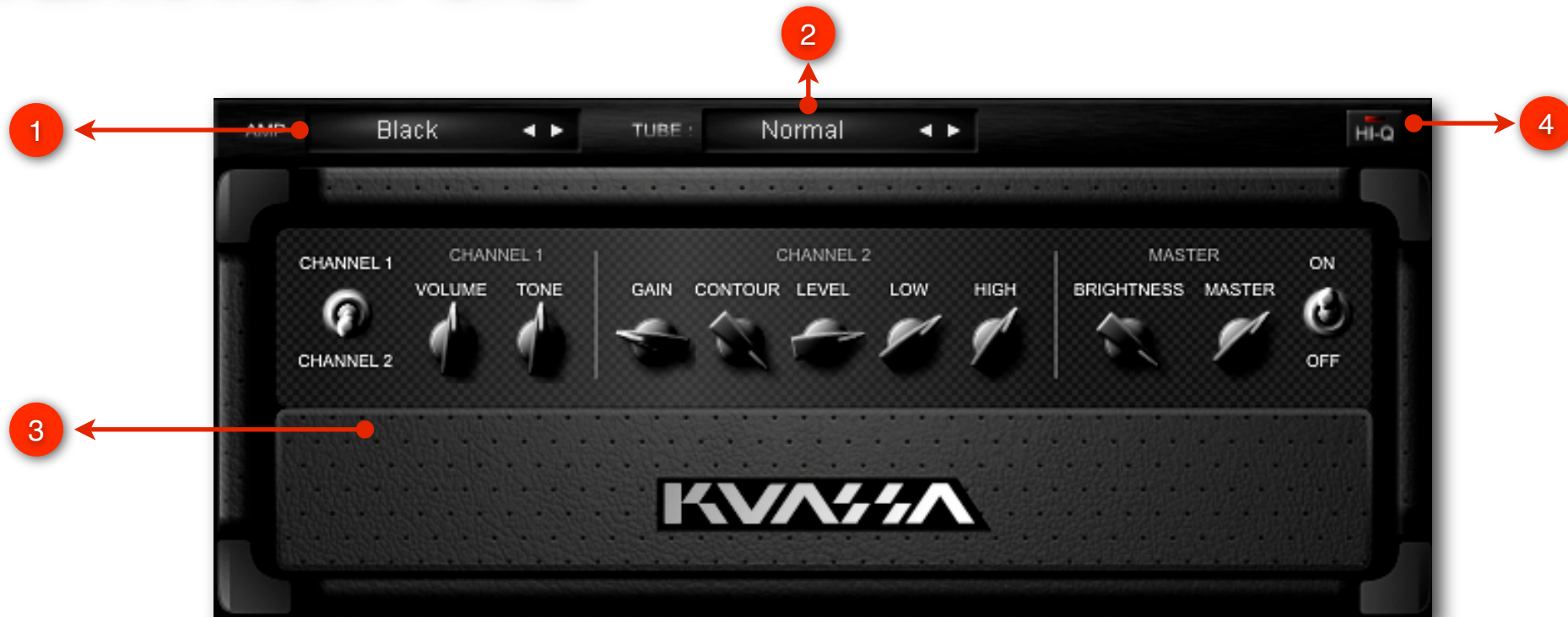
**Crush Box** is an enormous high-gain distortion unit.



**Blues Brother** produces smooth and crunchy “blues tone”



**Piledriver** is a unique overdrive with no tone knob. It sounds fat and somewhat fuzz-like.



## Amp Section

1. **Amp Selector menu** : Choose from eight head amplifiers, each with unique characteristics and different sound. You can also use the left-right arrow to choose.
2. **Tube Saturation menu** : Selects between three modes of tube amp saturations. It slightly changes the brightness of the sound. You may or may not notice the difference.
3. **Head Amplifier** : This is where you adjust everything about your sound. Each amp will be described on the next pages.
4. **Hi-Q Button** : Turning this to On enables the 4x oversampling to the amp calculations. It will enhance the quality of the sound at the cost of more CPU usage. If you can't hear the difference we suggest turning this to Off.

### TIPS & TRICKS :

By all means, minimize any noise from your gears! Check your cables, guitar, pickups, effects and electricity source.

The position between you and your computer also has significant effect to noise problems.

## Head Amplifiers



**Kuassa Custom** is our flagship head amplifier. It has three channels, 19 tonestack (equalizer section) characters and 4 power amp output type. It is fully customized to suit your need.



**Black** produces wide sound in two channels, each with independent controls with Master Brightness and Volume knob.



**Chrome** unleashes beefy and massive sound in two modes of operations.





**Beige** generates rich medium-gain overdriven sound.



**Amber** creates immense and crisp sound that also capable to be pushed into thick distortion.



**Sunburst** is a simple amplifier which produces fat clean tone.





**Emerald** is a basic two channel amp which offers clean or mild overdrive.



**Scarlet** is Emerald's big brother, our meanest amp so far. It delivers punishing amount of gain into heavy distortion.



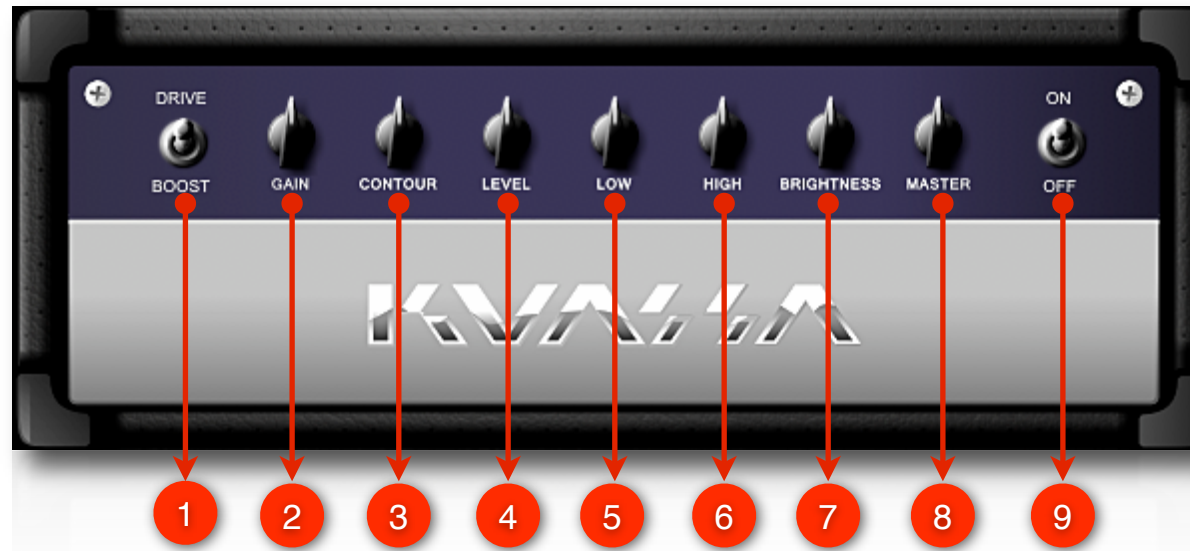
## Kuassa Custom

1. **Power switch** : Turns the amp *On* or *Off*. If the amp is *Off*, the sound will go directly to the cabinets.
2. **Channel Selector** : Choose between three channel operations (*Clean*, *Crunch* and *Lead*)
3. **Gain** : Sets the input level of the amp. On the “Crunch” and “Lead” channel, rotating this knob clockwise will push the amp to overdrive.
4. **Low** : Adjusts the low frequency (*bass*)
5. **Middle** : Adjusts the middle frequency (*mid*)
6. **High** : Adjusts the high frequency (*treble*)
7. **Presence** : Adds/ boosts the mid-high frequency and harmonics, it makes the sound richer and brighter.
8. **Master volume** : Adjusts the amount of output volume which will go into the speaker cabinets.
9. **Power amp output** : Selects from four modes of power output transformer, it has significant effect to your sound.
10. **Tonestack** : This drop down menu lets you choose from 19 tonestack (equalizer section) types, each with different range and characters. This will change how the Low-Mid-High knobs reacts.



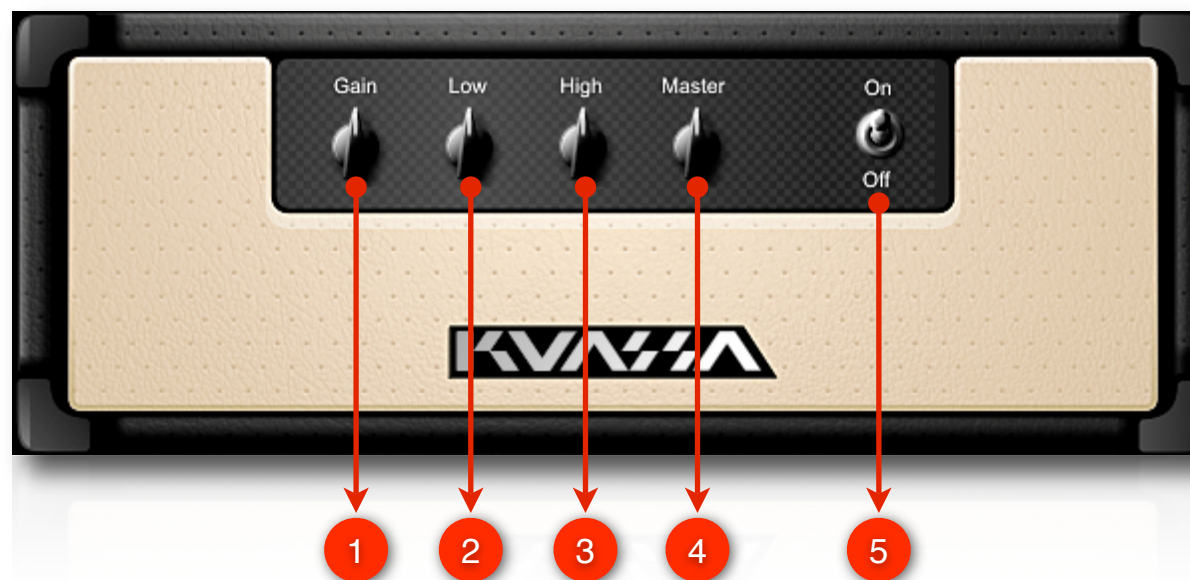
## Black

1. **Channel Selector** : Switch between Channel 1 and Channel 2
2. **Volume** : Sets the input level of the amp, specific for Channel 1.
3. **Tone** : Controls the tone of Channel 1. Rotate it clockwise to make the sound brighter/sharper.
4. **Gain** : Sets the input level & the amount of overdrive, specific for Channel 2. Rotate clockwise to drive it harder.
5. **Contour** : A single knob equalizer that either scoops mids with boosted bass and treble, or boosts mids with less bass and treble.
6. **Level** : A volume control equipped with low cut filter
7. **Low** : Adjusts the low frequency (bass), specific for Channel 2
8. **High** : Adjusts the high frequency (treble), specific for Channel 2
9. **Master Brightness** : This is similar to "Tone" but reacts differently. It will make the sound brighter, but not sharper. This is NOT "Presence".
10. **Master Volume** : Adjusts the amount of output volume which will go into the speaker cabinets.
11. **Power switch** : Turns the amp On or Off. If the amp is Off, the sound will go directly to the cabinets.



## Chrome

1. **Channel Selector** : Switch between Channel 1 (Drive) and Channel 2 (Boost)
2. **Gain** : Sets the input level & the amount of overdrive, rotate clockwise to drive it harder.
3. **Contour** : A single knob that either scoops mids with boosted bass and treble, or boosts mids with less bass and treble.
4. **Level** : A volume control equipped with low cut filter
5. **Low** : Adjusts the low frequency (bass)
6. **High** : Adjusts the high frequency (treble)
7. **Brightness** : This is similar to “Tone” but reacts differently. It will make the sound brighter, but not sharper. This is NOT “Presence”.
8. **Master Volume** : Adjusts the amount of output volume which will go into the speaker cabinets.
9. **Power Switch** : Turns the amp On or Off. If the amp is Off, the sound will go directly to the cabinets.



## Beige

1. **Gain** : Sets the input level & the amount of overdrive. Rotate clockwise to push into overdrive.
2. **Low** : Adjusts the low frequency (bass)
3. **High** : Adjusts the high frequency (treble)
4. **Master Volume** : Adjusts the amount of output volume which will go into the speaker cabinets.
5. **Power Switch** : Turns the amp On or Off. If the amp is Off, the sound will go directly to the cabinets.

### TIPS & TRICKS :

New set of strings tend to be very bright and "twangy", some people like it and other don't. one simple trick is to put your new strings on another guitar and keep it on the hardcase about 3 days to a week before your scheduled recording. On the recording day, take the strings out of it and put it on your main guitar.





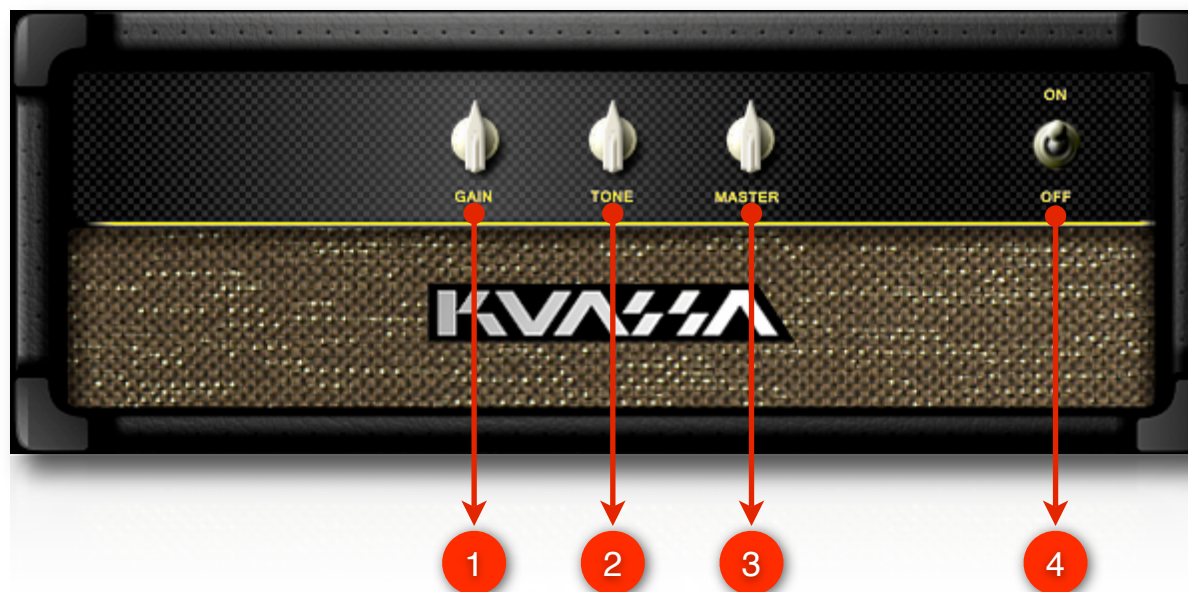
## Amber

1. **Gain** : Sets the input level & the amount of distortion. Rotate clockwise to push into distortion.
2. **Low** : Adjusts the low frequency (bass)
3. **High** : Adjusts the high frequency (treble)
4. **Master Volume** : Adjusts the amount of output volume which will go into the speaker cabinets.
5. **Power Switch** : Turns the amp On or Off. If the amp is Off, the sound will go directly to the cabinets.

### TIPS & TRICKS :

Go get a decent soundcard/interface. Preferably the one on USB or Firewire connection with 2 or more inputs. Built-in soundcards tend to be noisy and the headroom is very small (very easy to overload). Most of the time the driver is not very good so you get a delay when recording or other problems.

The built-in soundcards on Macs are pretty good, but it would be better if you get a good audio interface and preferably a Direct Inject Box.

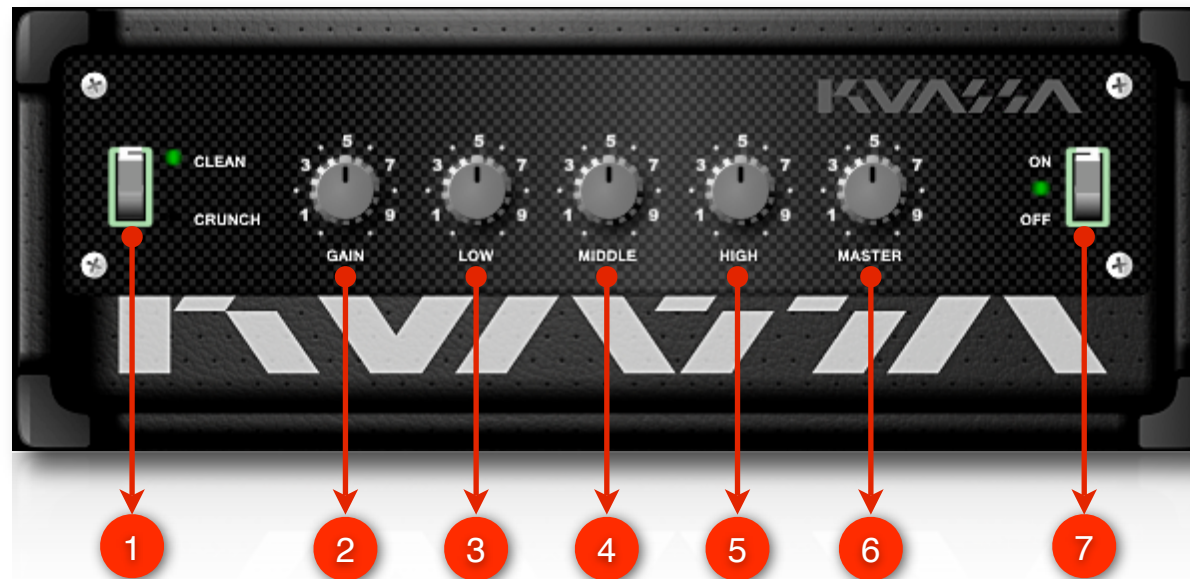


## Sunburst

1. **Gain** : Sets the input level & the amount of distortion. Rotate clockwise to push into distortion.
2. **Tone** : Controls the overall tone. Rotate it clockwise to make the sound brighter/sharper.
3. **Master Volume** : Adjusts the amount of output volume which will go into the speaker cabinets.
4. **Power Switch** : Turns the amp On or Off. If the amp is Off, the sound will go directly to the cabinets.

### TIPS & TRICKS :

Electricity can be a real problem to the sound. Using a stabilizer or voltage regulator to your computer, amps and pedals is highly recommended! Be aware that some pedals work better with batteries and some others work better with adaptor. Always bring some fresh batteries and use a good quality adaptors. Cheap adaptors are likely to have hiss, noises, hums and other problems.

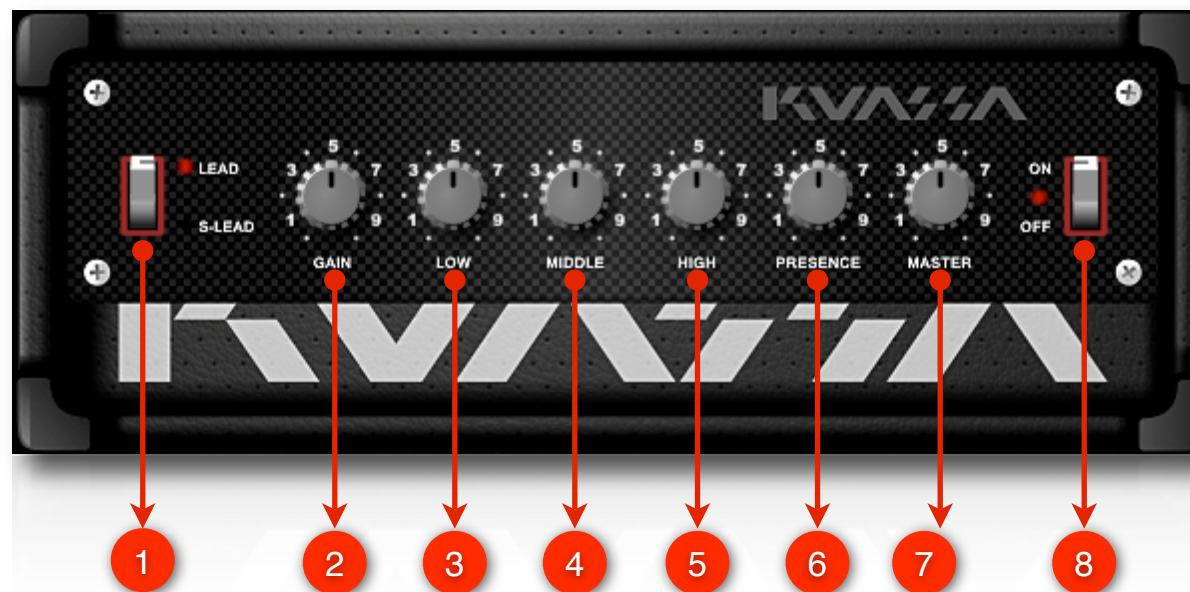


## Emerald

1. **Channel Selector** : Switch between Channel 1 (Clean) and Channel 2 (Crunch)
2. **Gain** : Sets the input level & the amount of overdrive, rotate clockwise to drive it harder.
3. **Low** : Adjusts the low frequency (bass)
4. **Middle** : Adjusts the middle frequency (mid)
5. **High** : Adjusts the high frequency (treble)
6. **Master Volume** : Adjusts the amount of output volume which will go into the speaker cabinets.
7. **Power Switch** : Turns the amp On or Off. If the amp is Off, the sound will go directly to the cabinets.

### TIPS & TRICKS :

Try to get the sound you want right from the beginning. Don't ever think "to fix it on mixing stage". This way you can do more creativity when mixing rather than to fix your recording mistakes. Do some experiments with your gears, amps, mic positions, and everything until you get what you want or at least very close to what you're thinking.



## Scarlet

1. **Channel Selector** : Switch between Channel 1 (Lead) and Channel 2 (Super-Lead)
2. **Gain** : Sets the input level & the amount of distortion. Rotate clockwise for more distortion.
3. **Low** : Adjusts the low frequency (bass)
4. **Middle** : Adjusts the middle frequency (mid)
5. **High** : Adjusts the high frequency (treble)
6. **Presence** : Adds/ boosts the mid-high frequency and harmonics, it makes the sound richer and brighter.
7. **Master Volume** : Adjusts the amount of output volume which will go into the speaker cabinets.
8. **Power Switch** : Turns the amp On or Off. If the amp is Off, the sound will go directly to the cabinets.

### TIPS & TRICKS :

Set your input level right! Don't let any clips or peaks on your record.

The easy way to get this is: when setting the input level, play much harder than you normally would and set the input knob on your interface until you get only a few clips on the track.

Now, play normally and if there were no clips you already have a good level setup!

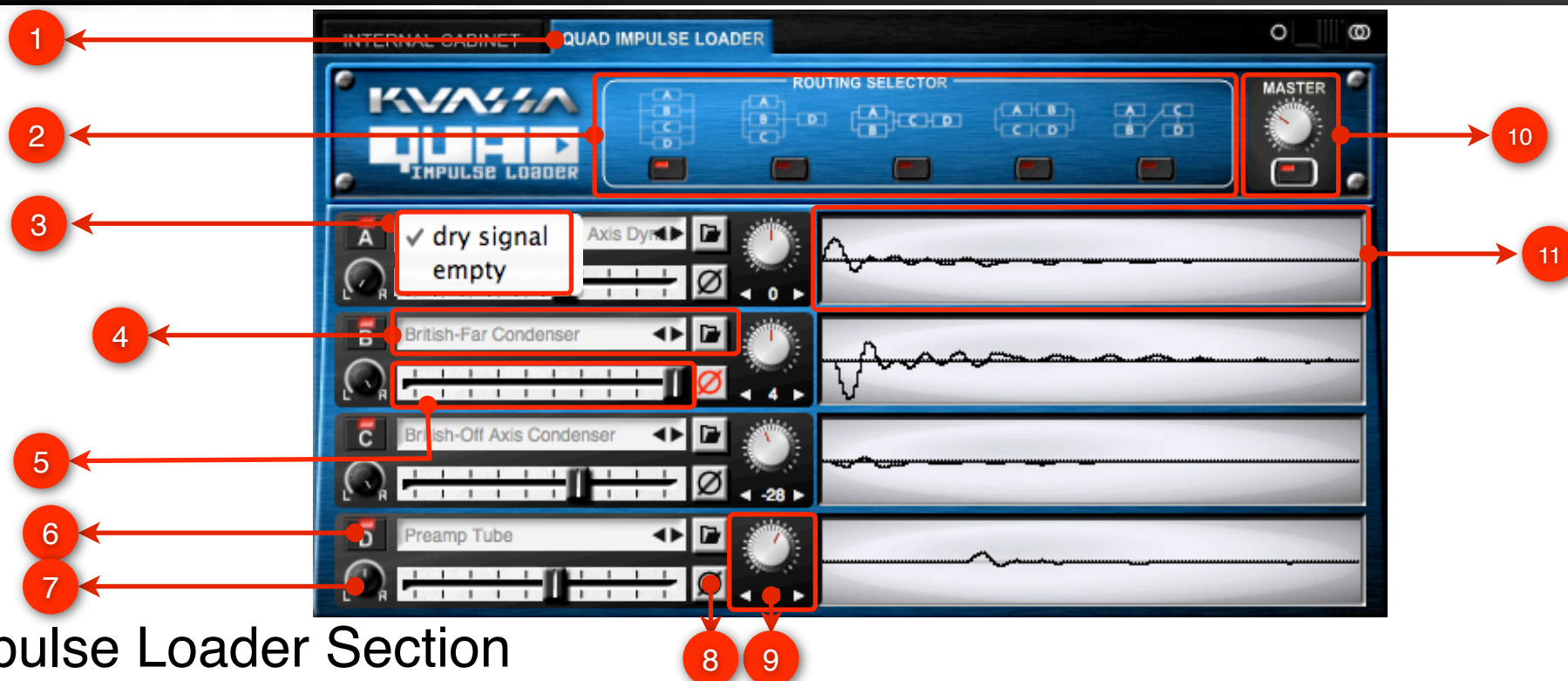




## Internal Cabinet Section

1. **Cabinet Mode Tab:** Use this to switch between *Internal Cabinet* and the *Impulse Loader*
2. **Cabinet On/Off Button:** Enables or disables the particular cabinet
3. **Mic Selector Menu :** Provides 5 types of microphones to use. You can also use the Left-Right arrow.
4. **Mic Angle :** Switches between straight or angled miking
5. **Cabinet Balance :** Adjusts volume balance between the two cabinets. Dragging the slider full to the left will turn the Cabinet B off and vice versa. Ctrl/⌘-click on the slider to reset to center position.
6. **Mono/Stereo Mode:** Use this to toggle between mono or stereo cabinet modes.
7. **Cabinet Selector Menu :** Choose from 5 models of speaker cabinets, ranged from small 1x10 to 4x10 cab.
8. **Phase Reverse button :** Inverts the waveshape orientation.
9. **Mic Distance Indicator :** Determines how far the mic is placed from the cabinet.
10. **Mic Position Indicator :** Indicates the position of the microphone. Move it freely with your mouse. Press Ctrl/⌘-click to reset to center position.
11. **Cabinet Pan Knob:** To adjust the panning position of the corresponding cabinet
12. **Cabinet Volume Knob:** To adjust the volume of the corresponding cabinet





## Impulse Loader Section

1. **Cabinet Mode Tab:** Use this to switch between *Internal Cabinet* and the *Impulse Loader*
2. **Routing Configuration:** Select between 5 available configurations.
3. **Empty/Dry Signal Menu:** Click on the text screen to show the menu. You can select either dry signal from the amp section or leave the loader empty to block incoming signal (no sound will be processed)
4. **Impulse Loader Button:** Click the button to load desired impulse file, then the name will be displayed on the adjacent space
5. **Channel Volume :** To adjust the volume of the corresponding channel
6. **Channel On/Off:** To enable or Disable the corresponding Impulse Channel
7. **Channel Pan:** To adjust the panning position of the corresponding channel
8. **Phase Reverse button :** Inverts the waveshape orientation.
9. **Sample Start Adjuster Knob:** Use the knob to align the starting point of the individual impulse channel. You can use the arrow button for more precise tuning.
10. **Waveform Display:** Shows the graphical waveform of the chosen impulse
11. **Master Section:** Press the button to enable/disable, use the knob to adjust the output volume.



## Output Section

1. **KVASSA Logo** : Clicking on the logo will show you the About box
2. **Output Limiter** : Enable or Disable the output limiter function. This will compress the sound to prevent overloading.
3. **Overload Indicator** : Will light up red when the audio signal overloads the cabinets. Turn the amp master volume down, or enable the output limiter.
4. **Global Output Volume** : Adjusts the overall master volume from the plugin.

### TIPS & TRICKS :

Recording process can get very long, so you spare energy while keeping the mood and soul of your performance.

This way, it's easier for you to concentrate on your timing, phrasing and intonation of your playing. Recording one part at a time helps too! You don't have to record the whole song in one pass.

## Evaluation

When unregistered (running as evaluation version) Kuassa Amplifikation One is free to use with full features enabled for unlimited period of time. However, it generates noise every 40 seconds until you buy the License Key at Kuassa Website.

Please consider to buy the software to ensure future updates and produce support for this product.

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Technical support : [support@kuassa.com](mailto:support@kuassa.com)

## Credits

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Grahadea Kusuf

GUI Design by:  
Rendy Fajar Basuki & Grahadea Kusuf

Presets and Audio Demos by:  
Dimitar Nalbantov (<http://www.nalbantov.com>)

Special Thanks to:  
Ahmad Pratama, Anto Arief, Aryo Aditomo, Bony Barnaby, Budianto Setiadi, Farri Icksan Wibisana, Gustaff H. Iskandar, Indra Nugraha, and all other beta testers.

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