AMPLIFIKATION

Caliburn



VST
VST 3
Audio Units
AAX
Re
Rack Extension



THANK YOU FOR CHOOSING A PRODUCT FROM KUASSA!
WE ENCOURAGE YOU TO TAKE THE TIME TO READ THIS USER MANUAL THOROUGHLY TO ENSURE TROUBLE FREE AND PROPER OPERATION OF THE SOFTWARE.

In the history of music, British-made amplifiers have an undeniable influence to the evolution of rock music. The loud, chimey clean, and thick crunchy mids of those amps were popularized by big acts such as Jimi Hendrix, Led Zeppelin, and The Who. It is the sound of rock music that lasts through generations until today. If there was only one name that represents the sound of rock music, it's absolutely this one: Marshall* Amplifiers. Founded by Jim Marshall in 1962, Marshall* amplifiers have taken the lead to be the top choice of many guitarists, such as Jeff Beck, Tom Morello, Andy Summers, Slash, Angus Young, Yngwie Malmsteen, to Kerry King of Slayer.

Following our extensive experimentation and never-ending quest to be the prominent guitar amplifier on your PC, now you can have the famous "British crunch" right from your personal computer. Powered by the 3rd generation of our research and development, Kuassa Amplifikation Caliburn brings the soul of the iconic sound to your desktop.

Disclaimer :
All trademarks are the property of their respective owners which are in no way associated or affiliated with Kuassa. The manufacturer names and model designations are used solely to identify the products whose tonal and sound characteristics were studied during development.



KEY FEATURES:

- 3 amp types, inspired by Marshall* JTM45, JCM800, and JCM900 Master Volume.
- 2 channels for each amp : Clean and Lead.
- NEW! Power amp Bias and Sag feature.
- NEW! Five types of cabinets with Celestion* speakers: G12T, Vintage 30, Greenback.
- NEW! Seven types of workhorse mics: Shure* SM57, Sennheiser* MD421, Sennheiser* MD441, C&T* Naked Eye, Royer* 121, AKG* C414, Neumann* TLM103.
- NEW! High pass and low pass filters.
- Freely adjustable dual-miking configurations with mono/stereo configurations just like a real-life guitar recording session with mix option.
- Built-in Noise Gate and Limiter.
- Photorealistic graphics for lifelike guitar playing experience.
- Straightforward and easy to use interface.
- Support up to 8x oversampling.

SYSTEM REQUIREMENTS

Windows:
Windows Vista or Later (64 bit)
Core2 Duo, or AMD Phenom ii X4 or better (latest Intel i3, AMD A4, or better is recommended) with 4GB minimum RAM
VST or VST3 compatible host/DAW
Pro Tools 11 or later for AAX format
Propellerhead Reason 7.1 or later for Rack Extension format

Macintosh:
Mac OSX 10.7 or later (64 Bit).
Core2 Duo, or better (latest Intel i3 recommended) with 4GB minimum RAM
VST, VST3, or Audio Units compatible host/DAW
Pro Tools 11 or later for AAX format
Propellerhead Reason 7.1 or later for Rack Extension format

Installation

MAC OSX 10.7 OR LATER

Note for MacOS X users: you will be asked for your password upon installation.

For Mac installer(.pkg) format, double-click the installer and follow the instructions. The installer automatically point to your Mac's default VST/VST3/AU/AAX plug-ins and Standalone path (see below). Alternatively you can customize the installation target to specific folder.

Here are the default folders installation path for each of our supported platforms in Mac OSX:

- Mac Audio Unit (AmplifikationCaliburn.component) : /Library/Audio/Plug-Ins/Components/
- Mac VST (AmplifikationCaliburn.vst) : /Library/Audio/Plug-Ins/VST/Kuassa/
- Mac VST3 (AmplifikationCaliburn.vst3) : /Library/Audio/Plug-Ins/VST3/
- Mac AAX (AmplifikationCaliburn.aaxplugin) : /Library/Application Support/Avid/Audio/Plug-Ins/
- Mac Standalone (AmplifikationCaliburn.app) : /Applications/Kuassa/

WINDOWS VISTA OR LATER

For Windows Installer (.exe), double-click the installer and follow the instructions. The installer automatically points to your system's default plugins path (see below). Alternatively you can point the installation target to specific folder. Most VST host already have a "Plugins" or "VSTplugins" folder inside its installation directory, or you can point the host to read any folder you choose.

Here are the default folders installation path for each of our supported platforms:

- Windows 64-bit VST (AmplifikationCaliburn.dll) : C:\Program Files\Steinberg\VstPlugins\Kuassa\
- Windows 64-bit VST3 (AmplifikationCaliburn.vst3) : C:\Program Files\Common Files\VST3\
- Windows 64-bit AAX (AmplifikationCaliburn.aaxplugin) : C:\Program Files\Common Files\Avid\Audio\Plug-Ins\
- Windows 64-bit Standalone (AmplifikationCaliburn.exe) : C:\Program Files\Kuassa

Uninstallation

MAC OSX 10.7 OR LATER

On a Mac, simply delete the plug-in located on the corresponding Plug-ins folder, and delete other folders and file resources located at,
Folders:
- /Library/Application Support/Kuassa/Libraries/Cabinets/
- /Library/Application Support/Kuassa/Libraries/LookUpTables/
- /Library/Application Support/Kuassa/Default Presets/AmplifikationCaliburn/
- /Users/[User Name]/Music/Kuassa/Presets/AmplifikationCaliburn/

Files:
- /Library/Application Support/Kuassa/Misc/AmplifikationCaliburn EULA.txt
- /Library/Application Support/Kuassa/User Manuals/AmplifikationCaliburn Manual.pdf
- /Users/[User Name]/Music/Kuassa/Settings/AmplifikationCaliburn.setting
- /Users/[User Name]/Library/Application Support/Kuassa/AmplifikationCaliburn.settings

WINDOWS VISTA OR LATER

Use “Add/Remove programs” or “Programs and Features” from the Windows Control Panel. If Amplifikation Caliburn does not listed, delete the .dll/.vst3/.aaxplugin file from your VST plug-in folder. After Uninstallation, manually delete other Amplifikation Caliburn file resources at,
Folder:
- C:\Users\[User Name]\Documents\Kuassa\Presets\AmplifikationCaliburn\

Files:
- C:\Users\[User Name]\Documents\Kuassa\Settings\AmplifikationCaliburn.setting
- C:\Users\[User Name]\AppData\Roaming\Kuassa\AmplifikationCaliburn.settings

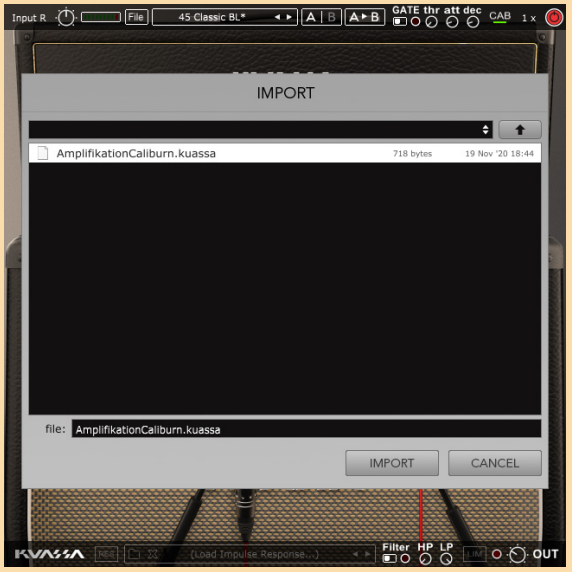
Authorization



1 On evaluation mode, you will see this pop-up window when you first starting Amplifikation Caliburn.

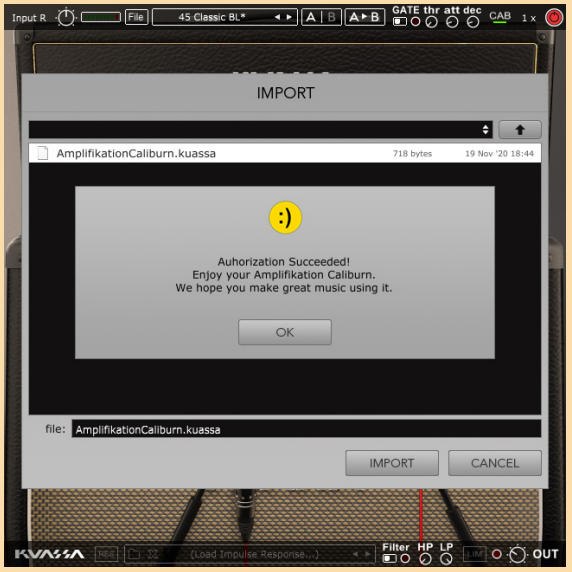


2 To start the authorization process, click the [File] button on the top-left of Amplifikation Caliburn Interface, there, you will find a selection box titled [Import License].



3 Locate the License File [AmplifikationCaliburn.kuassa] obtained from the confirmation email sent to you after you purchase Amplifikation Caliburn from our web store.
Note that the License File contains your personal information used to authorize Amplifikation Caliburn.

Authorization (Cont'd)

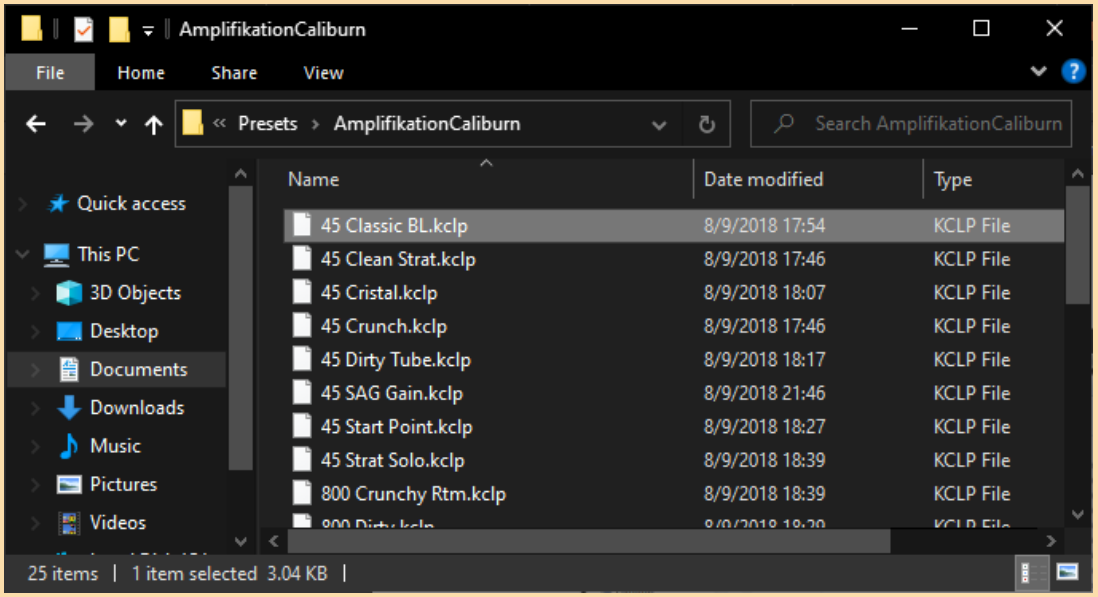




4 Right after you locate the License File, a pop-up box will appear confirming that you have successfully authorize your copy of Amplifikation Caliburn.

5 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 you're authorization is successful, either your name or 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.

Preset Management





1

Presets for Amplifikation Caliburn Plug-in(s) are located in the following folders*:

- Mac: Users/[YourName]/Music/Kuassa/Presets/AmplifikationCaliburn

- Win: ~\Documents\Kuassa\Presets\AmplifikationCaliburn

All presets inside these folders will be recognized by the plugin as individual presets, you can also create a folder to group the preset(s). They will thus be shown on the Amplifikation Caliburn Plug-in's preset selector.

2

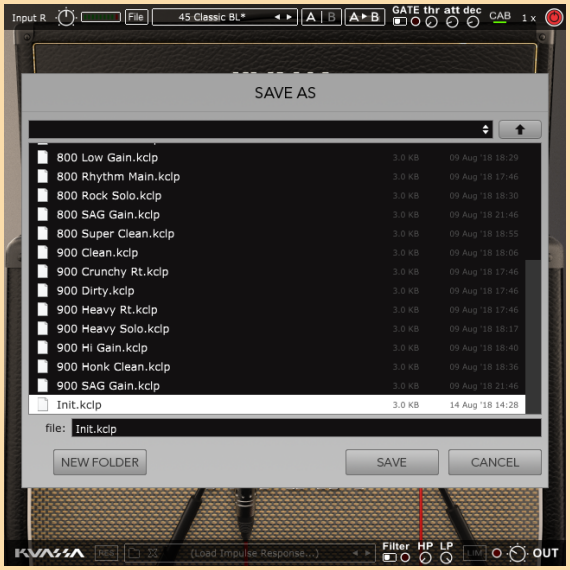
To save a preset, set your plugin to the desired parameter settings, then select:

- "Save Preset": Overwrites currently active preset.

- "Save Preset As": Saves current settings into a new preset file (*.kclp for Amplifikation Caliburn).

Preset Management





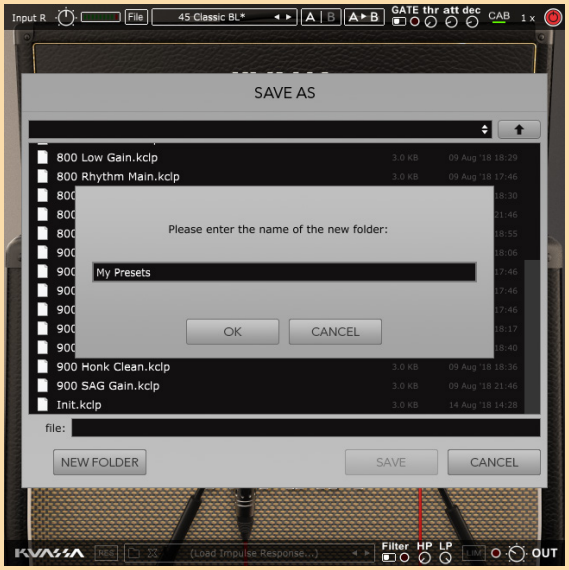


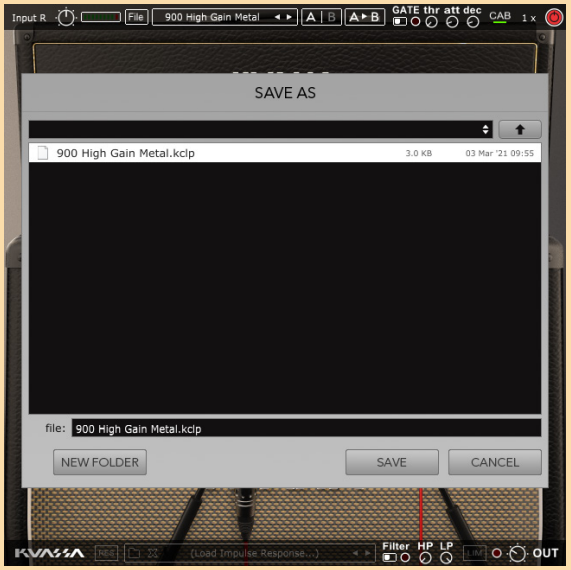
3 Keep "Lock Input Channel" checked to set the input channel selector remain unchanged when you change presets.

** Please note that toggling this option won't be saved as preset parameter.*

4 When you create a new preset using "Save Preset As...", make sure that you have chosen the correct preset folder as aforementioned on point 1 above to make sure that it will be recognized automatically by Amplifikation Caliburn plug-ins.

Preset Management







5 To add new additional preset banks, create a new folder by clicking “New Folder” button and rename it.
Sub-folders are also recognized to manage presets into groups, useful to manage additional preset bank, or grouping presets based by their use.

Functions



INPUT FUNCTIONS

1. INPUT CHANNEL SWITCH : Click here to switch incoming input signal channel from your soundcard. L, R, Stereo, or Sum L+R can be selected.
2. INPUT LEVEL : Controls the level of incoming signal. You may turn it to the maximum without worrying of overloading the amp.
3. INPUT METER : Show the level from your incoming signal.
4. FILE BUTTON : Include option for following functions : Preset management/option, Plug-in license authorization and link to our website. Please refer to each corresponding section for more detailed how-tos.
5. PRESET SELECTOR: Click to choose preset or use the arrows to navigate between presets. The name of active preset will be displayed and (*) symbol will appear when edited.
6. A-B COMPARE : Compare two different settings of the Amp.
7. COPY A to B : Copy settings from the “A” state to “B” state, and vice-versa.
8. NOISE GATE PARAMETERS :
   - ON/OFF Switch : Enables or disables the noise gate.
   - 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.
   - ATTACK : Controls how quickly the gate will open when the signal is above the threshold level.
   - DECAY : Determines how quick the gate closes once the signal has fallen below the threshold level.
9. CAB SETTINGS : Hide/Unhide Cabinet Section Parameters. Useful for distraction-free recording.
10. OVERSAMPLING : Increases the internal sampling frequency to reduce aliasing artefacts at the cost of higher CPU usage.
11. PLUGIN BYPASS BUTTON : Turns on or off the whole plugin.

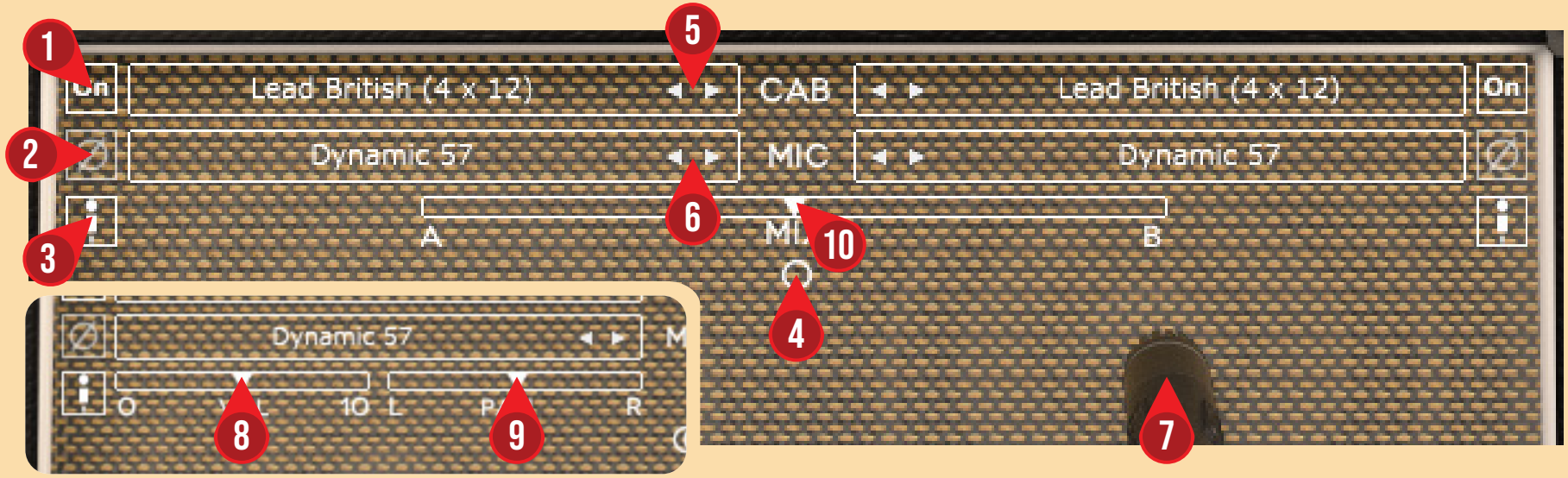
Functions



AMP FUNCTIONS

1. POWER : Turns the amp On or Off. If the amp is Off, the signal will be routed directly to the cabinets.
2. AMP TYPE A. JTM45 : Big, crunchy, and chimey.
   B. JCM800 : Bold, fat, but still clear.
   C. JCM900 : Heavy and dirty with long sustain.
3. CHANNEL : Select between Clean and Lead channel.
4. GAIN : Sets the input gain and the amount of distortion. Rotate clockwise for more distortion.
5. LOW : Adjusts the low frequency tone.
6. MID : Adjusts the middle frequency tone.
7. HIGH : Adjusts the high frequency tone.
8. PRESENCE : Adjusts the presence level of the amp.
9. BIAS : Sets the operating voltage of the power amplifier section.
10. SAG : Controls the amount of dropout/compression when a large signal and fast transient hits the power amp section.
11. MASTER : Adjusts the output level from the amplifier.

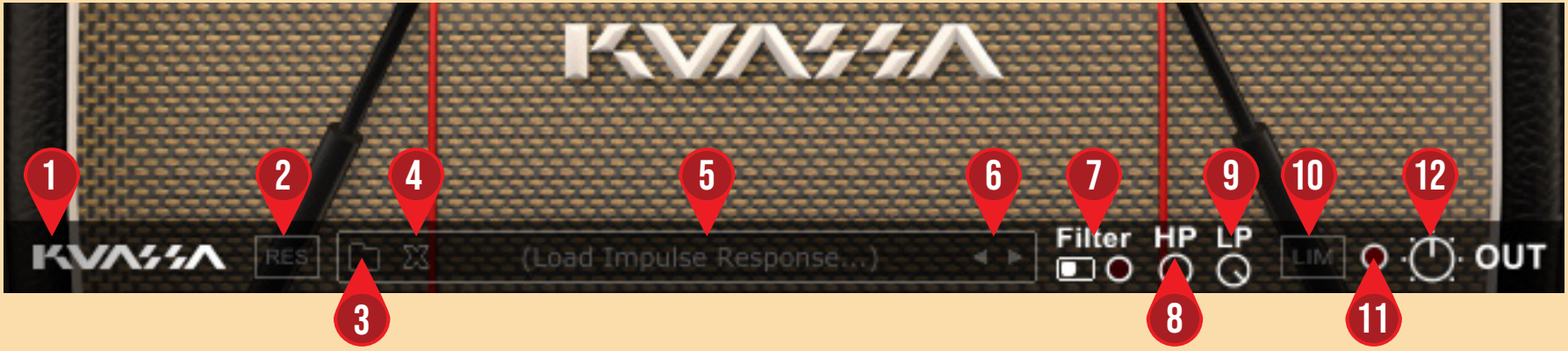
Functions



CABINET FUNCTIONS

1. CABINET ON/OFF BUTTON : Enables or disables the particular cabinet.
2. PHASE BUTTON : Inverts the waveform polarity.
3. MIC ANGLE : Switches between straight or angled miking.
4. MONO/STEREO SELECTOR : Use this to toggle between mono or stereo cabinet modes.
5. CABINET SELECTOR : Choose from 5 models of speaker cabinets.
6. MIC SELECTOR : Provides 7 types of microphone to use.
7. MIC POSITION : Indicates the position of the microphone. Move it freely with your mouse. Double-click to reset to center position.
8. CABINET VOLUME KNOB (◎ Mode) : To adjust the volume of the corresponding cabinet. Parameter only shown in stereo mode.
9. CABINET PAN (◎ Mode) : To adjust the panning position of the corresponding cabinet. Parameter only shown in stereo mode.
10. CABINET MIX BALANCE (○ Mode) : Adjusts mix volume balance between the left and right cabinets. Double-click on the slider to reset to center position.

Functions

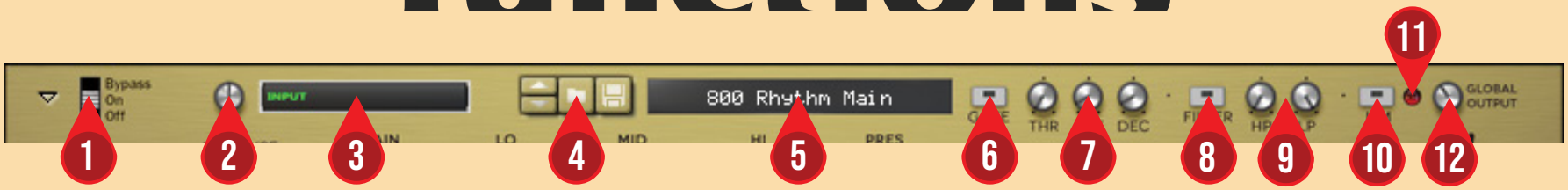


CABINET FUNCTIONS

1. KUASSA LOGO : Clicking on the logo will show the About box.
2. RES : Impulse Response RESAMPLE. When turned on, the loaded IRs will be matched to the host's sample rate.
3. LOAD IR : Browse into your IR (Impulse Response) Folder.
4. REMOVE IR : Remove or unload IR.
5. IR TITLE : Click this to open a list of available IRs on a folder.
6. IR NAVIGATION : Navigate available IRs on the same folder.
7. Filter : Turn the filters On or Off.
8. HP (One pole High Pass) : Sets the center frequency of the high pass filter.
9. LP (One pole Low Pass) : Sets the center frequency of the low pass filter.
10. OUTPUT LIMITER : Enable or Disable the output limiter function. This will compress the sound to prevent overloading.
11. OVERLOAD INDICATOR : Will light up red when the audio signal overloads. Turn the OUT volume down, or enable the Limiter.
12. GLOBAL OUTPUT VOLUME : Adjusts the overall output volume from the plugin.


Re
Rack Extension
800 Rhythm Main
GATE
THR
ATT
DEC
FILTER
PRES
CHANNEL
BIAS
SAG
MASTER
POWER
CAB TYPE
Reissue British(
MIC TYPE
Dynamic 57
MIC ANGLE
AXIS
DISTANCE
PAN
VOL
MIC ANGLE
CAB TYPE
Custom V30(4x12
MIC TYPE
Dynamic 44
Rack Extension Renders by Mikko Niiranen

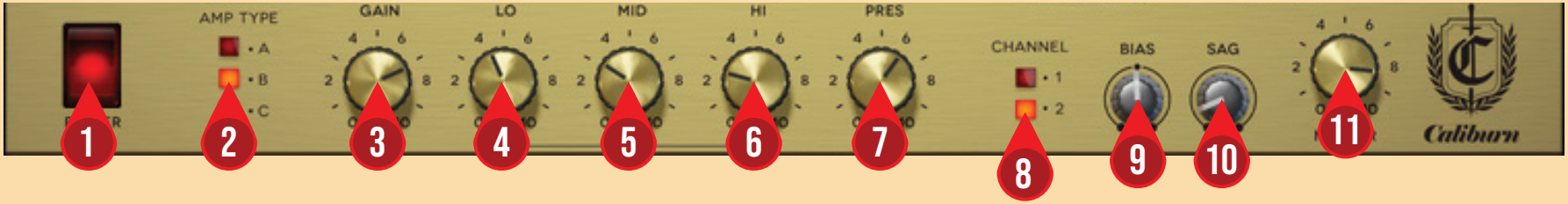
Functions



TOP PANEL FUNCTIONS

1. PLUGIN BYPASS BUTTON : Turns on, off or bypass the rack extension device.
2. INPUT LEVEL : Controls the level of incoming signal. You may turn it to the maximum without worrying of overloading the amp.
3. INPUT METER : Shows the level of incoming signal. For optimal result, make sure the level reaches about 70-80% just before red indicator starting to light up.
4. PRESET BROWSER
5. PRESET NAME DISPLAY
6. NOISE GATE ON/OFF : Enables or disables the noise gate utility.
7. NOISE GATE PARAMETERS :
   - 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.
   - ATTACK : This controls the time how quickly the gate will open when the signal is above the threshold level.
   - DECAY : Determines how quick the gate closes once the signal has fallen below the threshold level.
8. FILTER ON/OFF : Turn the filters On or Off.
9. FILTER KNOB PARAMETER :
   - HP (One Pole High pass) : Sets the center frequency of the high pass filter.
   - LP (One Pole Low pass) : Sets the center frequency of the low pass filter.
10. OUTPUT LIMITER : Enable or Disable the output limiter function. This will compress the sound to prevent overloading.
11. OVERLOAD INDICATOR : Will light up red when the audio signal overloads. Turn the output volume down, or enable the output limiter.
12. GLOBAL OUTPUT VOLUME : Adjusts the overall master volume from the plugin.

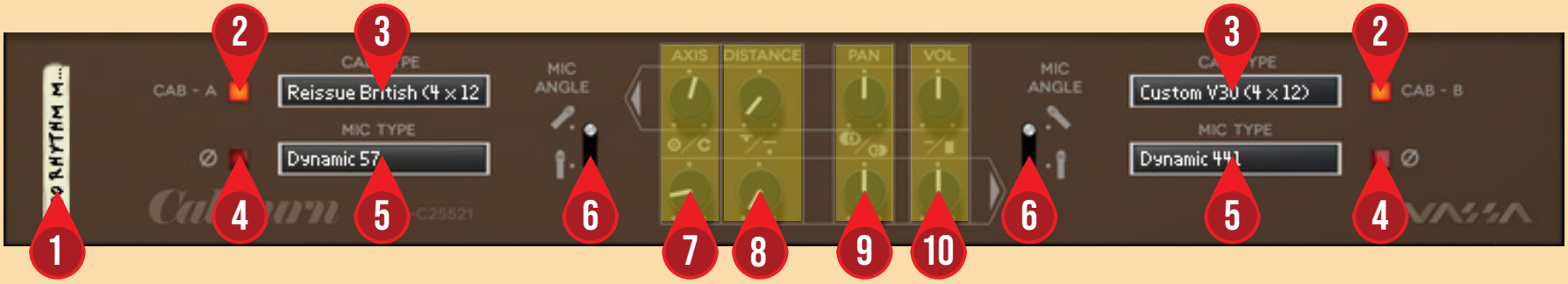
Functions



AMP FUNCTIONS

1. POWER : Turns the amp On or Off. If the amp is Off, the sound will go directly to the cabinets.
2. AMP TYPE A. JTM45 : Big, crunchy, and chimey.
   B. JCM800 : Bold, fat, but still clear.
   C. JCM900 : Heavy and dirty with long sustain.
3. GAIN : Sets the input gain & the amount of distortion. Rotate clockwise for more distortion.
4. LOW : Adjusts the low frequency tone.
5. MID : Adjusts the middle frequency tone.
6. HIGH : Adjusts the high frequency tone.
7. PRESENCE : Adjusts the presence level of the amp.
8. CHANNEL : Select between Clean and Lead channel.
9. BIAS : Sets the operating voltage of the power amplifier section.
10. SAG : Controls the amount of dropout/compression when a large signal and fast transient hits the power amp section.
11. MASTER : Adjusts the output level from this amplifier.

Functions



CABINET FUNCTIONS

1. DEVICE NAME
2. CABINET ON/OFF BUTTON : Enables or disables each particular cabinet, A and B.
3. CABINET SELECTOR : Choose from 5 models of speaker cabinets.
4. PHASE BUTTON : Inverts the waveform polarity.
5. MIC SELECTOR : Provides 7 types of microphones to use.
6. MIC ANGLE : Switches between straight or angled miking.
7. MIC AXIS : Rotate clockwise to move mic position to edge of cabinet speaker, counter-clockwise to center.
8. MIC DISTANCE : Rotate clockwise to move mic position further from cabinet speaker, counter-clockwise for closer mic position.
9. CABINET PAN : Adjust the panning position of the corresponding cabinet.
10. CABINET VOLUME KNOB : Adjust the volume of the corresponding cabinet.

Functions



BACK PANEL FUNCTIONS

1. DEVICE NAME
2. CV INPUTS :
   - CV Input Socket : Receive incoming CV message for controlling each of Amplifikation Caliburn's CV control enabled parameters from another device's CV output.
   - CV Input Trim : Turn counter-clockwise for each corresponding input to trim or reduce the intensity of incoming CV message.
3. OVERSAMPLING : Increases the internal sampling frequency to reduce aliasing artefacts at the cost of higher CPU usage.
4. Audio input and output sockets. Please note that Amplifikation Caliburn Rack Extension is an "Effect" type unit, and should always be added as an Effect device instead of instrument.

MIDI CC NAMES (RACK EXTENSION)

INPUT
[128] = "/custom_properties/inputVolume",

NOISE GATE
[129] = "/custom_properties/gateOn",
[130] = "/custom_properties/gateThr",
[131] = "/custom_properties/gateAtt",
[132] = "/custom_properties/gateDec",

AMP
[132] = "/custom_properties/ampOn",
[133] = "/custom_properties/ampType",
[134] = "/custom_properties/ampChannel",
[135] = "/custom_properties/ampGain",
[136] = "/custom_properties/ampLow",
[137] = "/custom_properties/ampMid",
[138] = "/custom_properties/ampHigh",
[139] = "/custom_properties/ampPresence",
[140] = "/custom_properties/ampBias",
[141] = "/custom_properties/ampSag",
[142] = "/custom_properties/ampMaster",

CAB A
[143] = "/custom_properties/cabOnA",
[144] = "/custom_properties/cabTypeA",
[145] = "/custom_properties/micTypeA",
[146] = "/custom_properties/micPhaseOnA",
[147] = "/custom_properties/micAngledOnA",
[148] = "/custom_properties/micAxisA",
[149] = "/custom_properties/micDistanceA",
[150] = "/custom_properties/micPanningA",
[151] = "/custom_properties/micVolumeA",

CAB B
[152] = "/custom_properties/cabOnB",
[153] = "/custom_properties/cabTypeB",
[154] = "/custom_properties/micTypeB",
[155] = "/custom_properties/micPhaseOnB",
[156] = "/custom_properties/micAngledOnB",
[157] = "/custom_properties/micAxisB",
[158] = "/custom_properties/micDistanceB",
[159] = "/custom_properties/micPanningB",
[160] = "/custom_properties/micVolumeB",

OUTPUT
[161] = "/custom_properties/outputFilterOn",
[162] = "/custom_properties/outputHighpass",
[163] = "/custom_properties/outputLowpass",

[164] = "/custom_properties/outputVolume",

[165] = "/custom_properties/limiterOn",

Kuassa AMPLIFIKATION CALIBURN Created by:

Muhammad Abduh
Intan Zariska Daniyanti
Iman Firman Amarullah
Juan Prahamma Hartjamt
Dimitar Nalbantov
Arie Ardiansyah
Raden Pratama Kusuma
Adhitya Sulistia Wibisana
Bramantyo Ibrahim
Cil Satriawan
Grahadea Kusuf
Iqbal Ansyori
Rathomi Trinugraha
Bayu Ardianto
Sundawan Sukmaya

Presets and Audio Demos by:

Dimitar Nalbantov (http://www.nalbantov.com)



AMPLIFIKATION

Caliburn

KUASSA TEKNIKA, PT

Jl. Dipati Ukur No. 71A

Bandung 40132

West Java, INDONESIA

https://www.kuassa.com

General inquiry: info@kuassa.com

Technical support :
support@kuassa.com



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