Gallien Krueger Amplification 3

User Manual

Version 1.1

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Introduction

Thank you for purchasing AUDIFIED GK Amplification. GK Amplification is a model of the Gallien-Krueger most famous devices. It allows you to select one of several amplifiers followed by a speaker selected from several models. The Pro version furthermore allows parallel selection of two speakers. For each speaker you can select from 8 movable virtual microphone types. To allow you to work only inside GK plugin version 3 brings a new built-in compressor and smart noise gate. For the best sound experience we suggest to use audio interfaces with the Hi-Z (Instrument) input and with low-latency drivers.

To minimize need of another plugin version 3 brings a new built-in compressor and gate with smart learn function.

New in version 3

- Modern user friendly GUI
- Compressor with adjustable threshold and gain reduction meter
- Switchable Compressor Ratio
- Easy soloing and comparing cabs
- New meters
- Input level knob

Software Installation

Get the recent version of the plug-in:

Download: services.audified.com/download

- **Windows**: The downloaded file is packed, unzip it. Run the installer and follow the on-screen instructions. You can select the destination path and the installed plug-in format during the process.
- **Mac**: Mount the downloaded disk image and run the installer. You can select the installed plug-in format by clicking the Customize button. Plug-ins are installed in the standard locations and the control app appears in the Applications folder.

Product activation

Starting with version 3.0.0, the demo and full version are now combined into one installer. When installing the plugin, you will not be asked for a serial number and the product will be installed as a demo. Instead of this, when launching the plugin, you'll be asked to activate the plugin or to continue using it as a demo.

To activate the license, click the **Activate License** button and then enter the serial number you've received in your email address. Once the product is activated, the startup demo splash screen will not be shown anymore.

Please note the registration info is stored in a user specific location. This means you have to activate the product for each machine's user in the case you are using more user accounts.

Software Uninstallation

- **Windows**: Navigate to the GK-Amplification program folder in the Start menu and run the uninstaller.
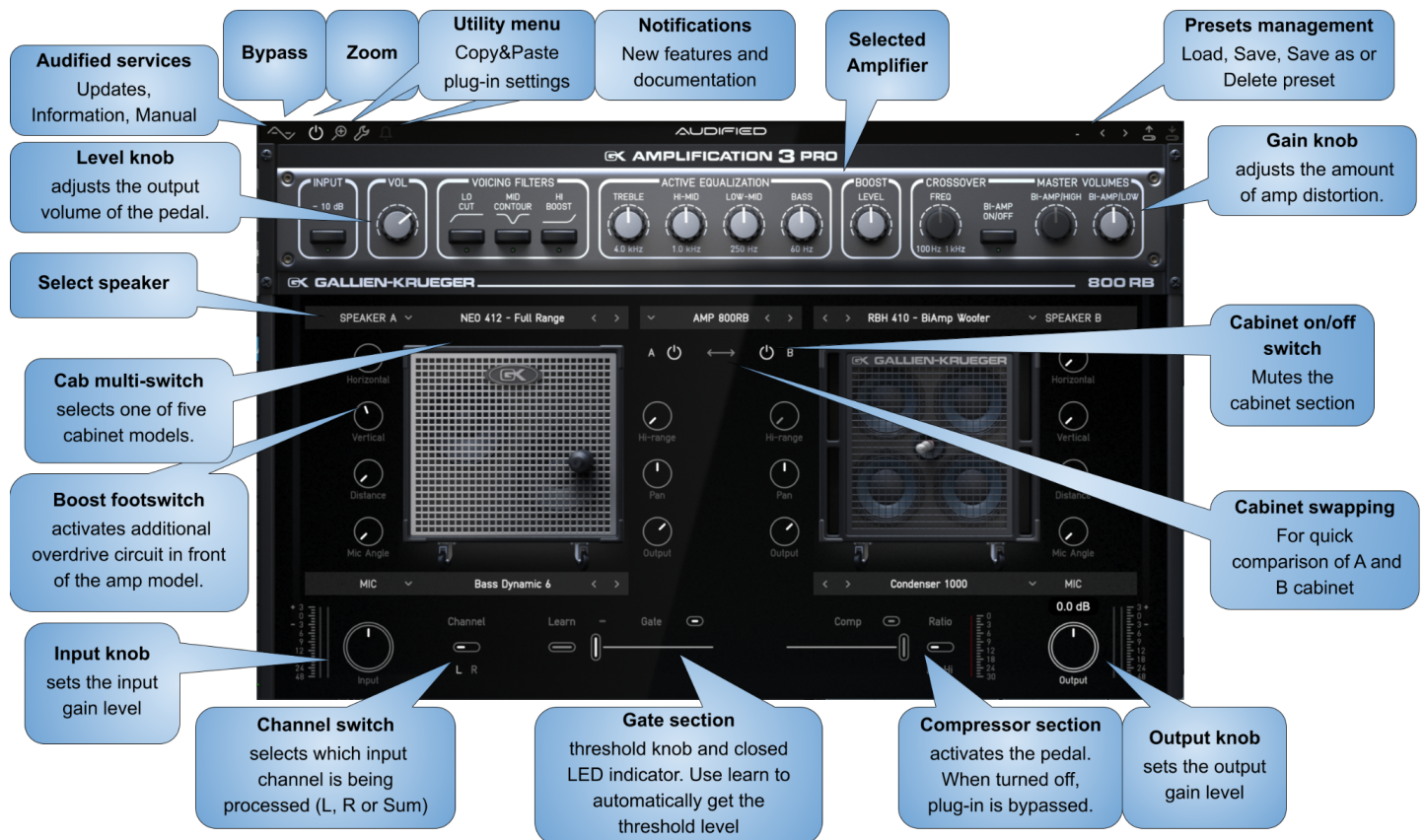- **Mac**: Open the provided disk image and run the uninstaller.

Opening the plug-in

AUDIFIED GK Amplification 3 works in all major digital audio workstations (recording applications) as a plug-in.

To open the plug-in, locate the plug-in selection (usually a hierarchic menu). Sphene Pro is listed in the Distortion group or in the AUDIFIED group when the manufacturer sorting is offered.

Working with GK3 Amplification

Control overview

Audified services
Updates,
Information, Manual

Bypass

Zoom

Utility menu
Copy&Paste
plug-in settings

Notifications
New features and
documentation

**Selected
Amplifier**

Presets management
Load, Save, Save as or
Delete preset

Gain knob
adjusts the amount
of amp distortion.

Level knob
adjusts the output
volume of the pedal.

Select speaker

**Cabinet on/off
switch**
Mutes the
cabinet section

Cab multi-switch
selects one of five
cabinet models.

Boost footswitch
activates additional
overdrive circuit in front
of the amp model.

Cabinet swapping
For quick
comparison of A and
B cabinet

Input knob
sets the input
gain level

Channel switch
selects which input
channel is being
processed (L, R or Sum)

Gate section
threshold knob and closed
LED indicator. Use learn to
automatically get the
threshold level

Compressor section
activates the pedal.
When turned off,
plug-in is bypassed.

Output knob
sets the output
gain level

> *i* Please note that the pedal processes the signal in mono.

Preset management

Presets can be loaded and saved in the display area.

- The left button offers a selection from a preset list, structured in several submenus.
- The mid button opens a menu allowing users to save or delete user presets.

i   Please note that the parameters in the utility panel are not included in presets.

Services menu

A click to Audified logo opens the Services menu. Services menu allows access to:

- user manual,
- product updates,
- feedback form on the Audified web,
- support,
- Audified website,
- product version and other info.

Utility menu

Clicking the wrench symbol opens the utility menu. You can easily copy the state of one plugin instance to the other instance using Copy and Paste functionality.

1.

Signal Flow

Input knob > Gate > Amplifier > Cabinet > Compressor > Output knob

Amplifier controls

MB150

-14 dB Pad	Reduces the input signal from your bass. Press in if you hear distortion at low volume settings.
Volume:	Sets the preamp gain after the input stage.
Lo-Cut	Rolls off the low end, producing a more "vintage" tone.
Contour	Cuts midrange frequencies while boosting lows & highs. The center frequency is 500 Hz.
Hi-Boost	Adds edge and definition to higher frequencies.
Treble	Boost and cut at 5 kHz +5 dB / -22 dB shelving type.
Hi-Mid Frequency	Sets the center frequency for the Hi-Mid control between 620 Hz and 6.2 kHz.
Hi-Mid Level	Boost and cut at 2 kHz +10.5 dB / -7 dB, "Q-Optimized" band pass type.
Lo-Mid Frequency	Sets the center frequency for the Lo-Mid control between 160 Hz and 1.6 kHz.
Lo-Mid Level	Boost and cut at 500 Hz +7.5 dB / -10 dB, "Q-Optimized" band pass type.
Bass	Boost and cut at 80 Hz +8.5 dB, shelving type.
Boost	Post EQ gain stage which adds "growl" as it is turned up.
Output Level	Controls the output level of the amplifier.

Amplifier controls

800RB

-10 dB Pad	Reduces the input signal from your bass. Press in if you hear distortion at low volume settings.
Volume	Sets the preamp gain after the input stage.
Lo Cut	Rolls off the low end, producing a more "vintage" tone.
Mid Contour	Cuts midrange frequencies while boosting lows & highs. Center frequency is 500 Hz.
Hi Boost	Adds edge and definition to higher frequencies.
Treble	Boost and cut at 4 kHz, will add or remove edge and definition.
Hi-Mid	Boost and cut at 1 kHz. There is a lot of sound in this band. It works on the lower harmonics of your instrument and affects the punch of your sound.
Lo-Mid	Boost and cut at 250 Hz. Basically, this band effects the body of your sound.
Bass	Boost and cut at 60 Hz. Affects only the bottom end and will be used to account for varying room acoustics.
Boost	Post EQ gain stage which adds "growl" as it is turned up.
Crossover Frequency	Controls the cut-off frequency off the crossover. This control is enabled only in the Bi-Amp mode.
Bi-Amp switch	Press this button to activate the crossover for the woofer
Bi-Amp/Low	Master volume control for the woofer amp. This control is bypassed in Bi-Amp mode when only tweeter speakers are selected.
Bi-Amp/High	Master volume control for the tweeter amp. This control is enabled only in the Bi-Amp mode when tweeter speaker, Bi-Amp speaker or bypassed speaker is selected.

Amplifier controls

2001RB

-14 dB Pad	Reduces the input signal from your bass. Press in if you hear distortion at low volume settings.
Channel	Switches between the Normal and the Overdrive channels.
Gain	Controls the amount of overdrive in the "B" channel. At low settings it provides a smooth
Edge	distorted sound. At high levels it will provide full saturation with long sustain. This control is enabled only in the Overdrive channel.
Bottom	Bass control for the Overdrive channel. This control is enabled only in the Overdrive channel.
Level-B	Adjusts the output level of the Overdrive channel. This control is enabled only in the Overdrive channel.
Level-A	Sets the preamp gain after the input stage. This control is enabled only in the Normal channel.
String Bass	Switching this button to the "ON' position voices the pre-amp for a five string bass. Leaving it in the "OFF" position will voice the amp for a four string bass.
Contour	Drops the mid-range frequencies while boosting lows & highs.
Presence	This adds edge and definition to higher frequencies. This control is enabled only in the Normal channel.
Treble	Boost and cut at 7 kHz +14 dB shelving type. Add or remove edge and definition.
Hi-Mid	Boost and cut at 1 kHz +6 dB / -10 dB, "Q-Optimized" band pass type. Works on lower string harmonics, and effects the punch of your sound.
Low-Mid	Boost and cut at 250 Hz +6 dB / -10 dB, "Q-Optimized" band pass type. Works on the main body of your sound.
Bass	Boost and cut at 60 Hz +10 dB, shelving type. Controls low end push.
Boost	A post EQ gain stage which adds "growl" as it is turned up.

Tweeter

Master volume control for the tweeter amp. This control is enabled only in the Bi-Amp mode when the tweeter speaker, the Bi-Amp speaker or the bypassed speaker is selected.

Tweeter Hi- Cut

Cuts frequencies above 10 kHz, producing a more "cone-like" (less metallic/harsh) sound from the tweeter. This control is enabled only in Bi-Amp mode when tweeter speaker, Bi-Amp speaker or bypassed speaker is selected.

Woofer

Master volume control for the woofer amp. This control is bypassed in Bi-Amp mode when only the tweeter speakers are selected.

Bi-Amp

Press this button to activate the crossover for the woofer. The cut-off frequency is 5 kHz.

Speaker Model Unit

Speaker A	Selects the Speaker Model. Use Link Speaker mode to connect both speaker model units. Use then the second speaker model unit to control the type of the speaker and the position of the microphone.
Horizontal	Changes the microphone position in X-axis
Vertical	Changes the microphone position in Y-axis
Distance	Changes the distance between microphone and Speaker
Hi-Range	Adjusts the volume level of the horn when the cabinet is in the full range mode. When used in the Bi-Amp mode, this control is bypassed and the high frequency level can be adjusted by using the Tweeter control on the amp.
Output	Sets the volume of the specific cabinet.
Pan	Allows to assign the output signal to the left or to the right output channel (when using mono PA system) or to any position in the stereo space.

A/B Swap	Allows swapping between cabinets with one click on the arrow or switching ON/OFF individual cabinets by clicking on the power button.

Bottom panel

Inputs	Input selector for the effect. You can choose the left, right or left + right inputs.
Channel	select which input channel is being processed (L,R or Sum)
Gate	Click LEARN when playing at maximum level. The Learn function adjusts the optimum level. Press the button, the blue indicator turns into green when the learning begins and then turns off when learning is finished.
Comp	Compressor with adjustable threshold and gain reduction meter. Click to Ratio switch changes compression ratio between 5:1 (Lo) and 15:1 (Hi).
Output	Sets the master volume of the effect.

INPUT/OUTPUT

There are additional Input and Output knobs in the utility panel below the Sphene pedal. Use the Input knob for proper input gain-staging. The difference between Level knob on the pedal and Output knob in the utility panel is that Output knob in the utility panel is not included in the Sphene presets. This is a good thing because you don't need to adjust the overall output level you have set according to your mix every time you change the preset. Use the Output knob in the utility panel more as an output calibrating / gain staging level.

METERING

There are Input and Output level meters in the utility panel below the Sphene pedal. Meters are dBFS types so make sure you are not clipping.

GATE

Onboard expander-gate can be activated via the utility panel below the pedal and it includes separately engageable threshold Learn feature. To get the best results using the Learn function, stop playing the bass so the noise is perfectly audible, click the Learn button and wait for a couple of seconds while Gate threshold is automatically set. Gate circuit is not included in the Sphene presets.

Technical info

Specification

- AAX, AU, VST3,
- macOS, Windows plug-ins.

Requirements

- macOS 10.11 and newer (64bit format delivered),
- Windows 7 and newer (32 bit and 64bit format delivered),
- 120 MB of disk space required.

Conclusion

We are confident that you can now work with Sphene Pro. However, if anything seems unclear or you need assistance, feel free to contact us.

Support: services.audified.com/support

Thanks for using AUDIFIED products.