Kazrog LLC - Thermionik

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http://kazrog.com

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1. Using Thermionik Suite

The plugins in this section were designed specifically for use on electric guitar and bass tracks. However, they are also useful on synths, vocals, and many other types of tracks.

1.1. Thermionik - Foreword

Thank you for purchasing (or demoing) Thermionik amp modeling plugins! Here are a few notes to help you get better results quickly.

Input Levels and Gain Staging

While great care has been taken to ensure that default input level settings work well for a wide variety of guitars, pickups, audio interfaces, playing styles, and likely input levels, you may need to adjust the input trim (on the Options tab) to achieve results that you expect. You may be familiar with other amp simulation plugins that have automatic input gain level detection, and you may wonder why such a feature is not in Thermionik at this time. In my experience, these schemes are, at best, limited in their usefulness, and at worst, misleading. I am working on a system to more intelligently accomplish this goal than other designs I've encountered. Even then, it's important to remember that you should not be afraid to manually adjust Input Trim to taste, depending on what sonic result is desired for a particular effect.

On many real-world amps, the first 1 or 2 digits worth of rotation on the Gain control are useless, in that the entire character of the amp doesn't come into play until you turn these controls past a certain level. No such limitation exists in the digital domain. Also, on many high gain amps in the real world, settings past about 6 or 7 on the gain dial are nearly useless, in that they don't apply much more audible distortion, but they do increase the likelihood of feedback issues. Again, these are limitations of analog components that simply don't exist in the digital domain, and that hinder usability, while simultaneously contributing nothing whatsoever to the sonic picture. These limitations, accordingly, are not modeled in Thermionik.

As such, the design philosophy of the Gain control in the Front Controls tab of all amp models in Thermionik is to have a usable range of gain throughout the entire range of the knob, from absolute zero (pure digital mute) all the way up to 10.0, with 1000 control points in between. This is incredibly flexible, but it does mean that the actual numerical setting on the Gain control may vary a bit from an amp model's real-world counterpart if you are trying to match your favorite settings from an amp you're familiar with (or the settings of your favorite guitar hero on a particular amp.)

Session Sample Rates

Thermionik has been optimized for peak accuracy at 44.1 kHz and 48 kHz session sample rates, and supports up to 32x internal linear phase oversampling (for an internal sample rate of over 1.4 MHz in a 44.1 kHz session, for example!). While 88.2 kHz and 96 kHz session sample rates are supported, you may notice differences in tone, particularly for high gain presets. Running at or above an 88.2 kHz session sample rate is not recommended (unless absolutely necessary) at this time, and 192 kHz or higher is explicitly **not** supported.

Emulation Philosophy

As alluded to above, the philosophy of Thermionik from an analog modeling perspective is to remain true to the sonic characteristics of the hardware, while expanding the range of usable tones, and improving the practicality of the user interface design. All hardware was carefully measured and studied for each emulation. Default settings (as well as most factory presets) are designed to replicate well-known, classic settings of each model. Some amps that myself (and many other guitarists) have found to be particularly tubby sounding in their lead channel preamps have received a Bright switch - this is intentional, and expands the range of usable tones without additional effects in front. In future versions of Thermionik, additional features may be added, to expand the range of possible tones even on very simple vintage amp models. Of course, the default settings will always represent an accurate emulation of the hardware itself.

- Shane McFee, CEO/CTO - Kazrog LLC
March 21, 2017

1.2. Thermionik - Amp Model List

Plugin Name	Inspired by
Thermionik Bassmensch	Fender '59 Bassman
Thermionik Blackverb	Fender '65 Deluxe Reverb
Thermionik Chimp	Fender '62 Champ
Thermionik Damage 120	ENGL Savage 120
Thermionik Duality 2ch	Mesa Boogie Dual Rectifier (2 channel)
Thermionik Duality 3ch	Mesa Boogie Dual Rectifier (3 channel)
Thermionik FB100	Friedman BE-100
Thermionik M2B	Mesa Boogie Mark IIB
Thermionik M2CP	Mesa Boogie Mark IIC+
Thermionik M4	Mesa Boogie Mark IV
Thermionik Marshland 45	Marshall JTM45
Thermionik Marshland 800	Marshall JCM800
Thermionik Marshland Jumpy78	Marshall '78 JMP (stock)
Thermionik Marshland Jumpy79J	Marshall '79 JMP (Jose Arredondo mod)
Thermionik Marshland Jumpy79S	Marshall '79 JMP (Mike Soldano mod)
Thermionik OgreTuber	Bogner Uberschall (original, not Twin Jet)
Thermionik Plexi	Marshall Super Lead 1959 "Plexi" 100W
Thermionik Psycho A	Peavey 5150
Thermionik Psycho B	Peavey 5150 II
Thermionik Psycho C	EVH/Fender 5150 III
Thermionik Serpent	Framus Cobra
Thermionik Solid 100	Soldano SLO 100
Thermionik Super 1690	Supro 1690T Coronado
Thermionik Vocal30	Vox AC30
Thermionik Vocal30 TB	Vox AC30 (Top Boost)

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1.3. Thermionik Plugins

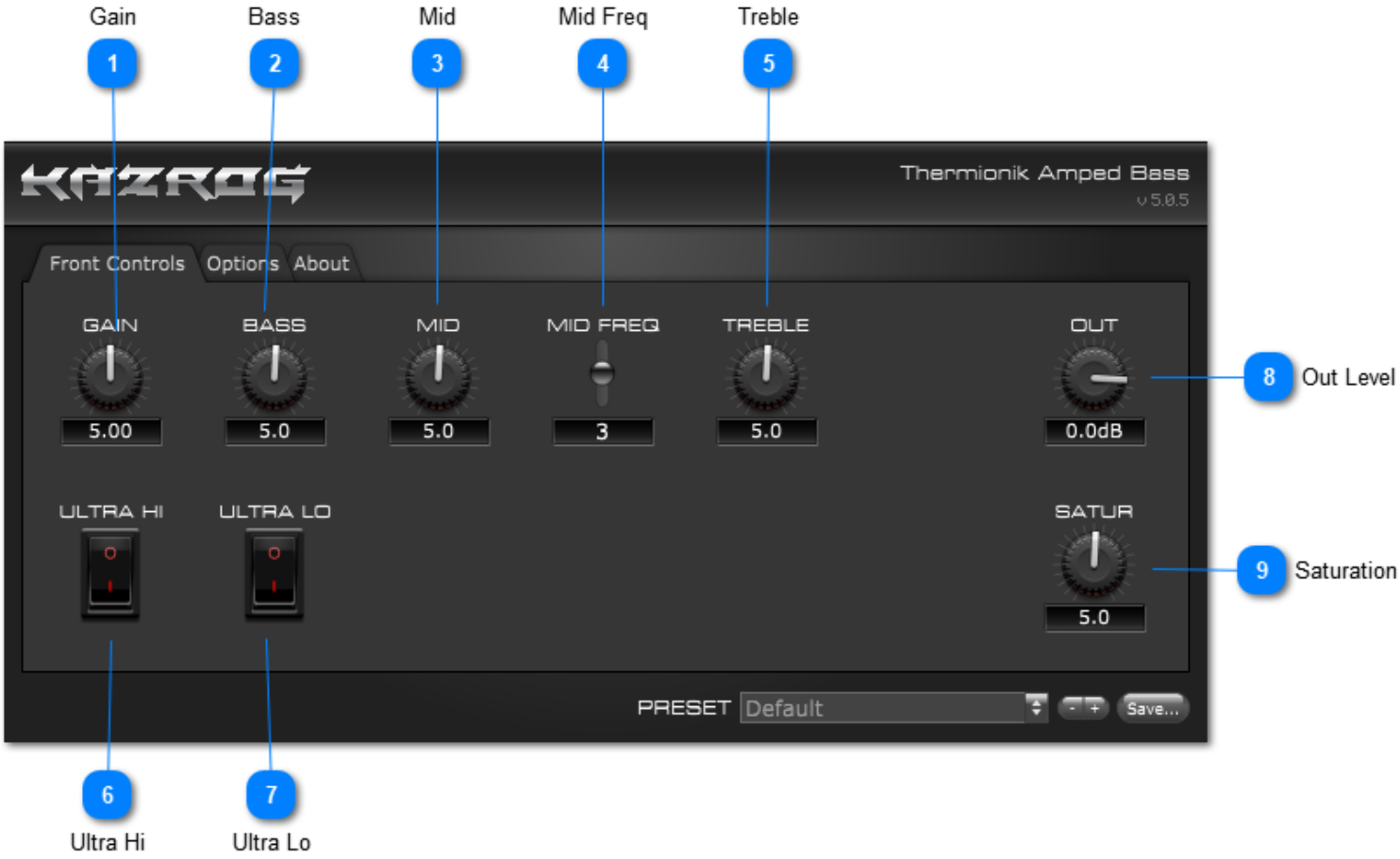
Each amp modeled in the Thermionik series has its own separate plugin, allowing for flexible blending, routing, fast instantiation, and a low memory footprint. Full documentation of each plugin follows in this section.

Please note: Thermionik plugins model only the amplifier (head) portion of the signal path. For them to sound correct, you will need to run them into a cabinet simulator in the next plugin instance (such as our own **Recabinet**.) And of course, feel free to mix them with any of your favorite effects. :)

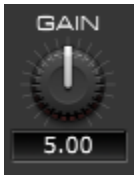
1.3.1. Thermionik - Amped Bass

This amp emulation is based on the Ampeg SVT Classic. It's a no-frills, high gain bass amp with a surprisingly versatile set of controls.

1.3.1.1. Front Controls



1 **Gain**



Controls the amount of preamp gain desired.

2 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

3 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Mid Freq**

Changes the frequency peak location of the Mid control. Lower settings assign the Mid control to a lower peak frequency, whereas higher settings assign the Mid control to upper mid frequencies. This control is extremely useful for tailoring the sound to your specific bass and tuning.

5 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

6 **Ultra Hi**

Toggles a presence character that accentuates attack.

7 **Ultra Lo**

Toggles a low frequency character that accentuates subsonic frequencies for massive sonic destruction. Don't blow your speakers!

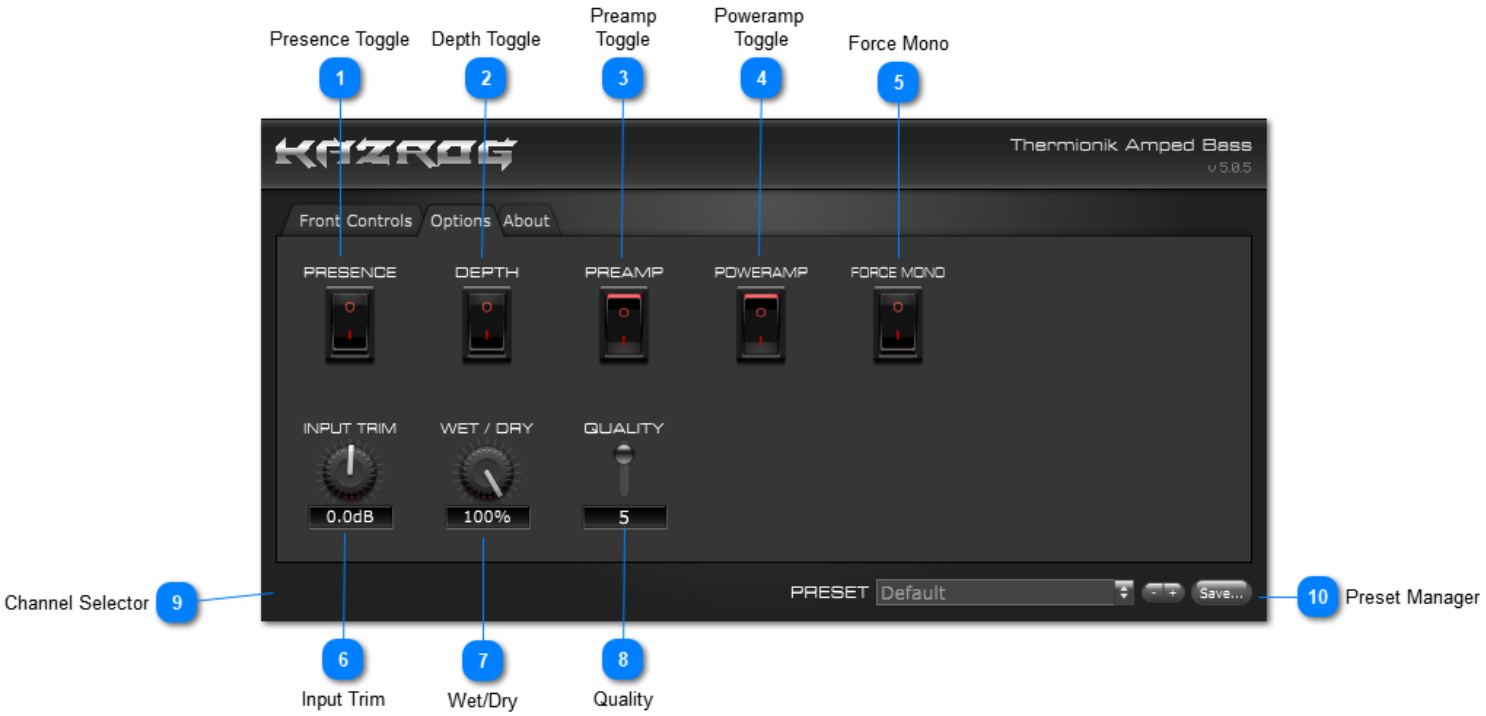
8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.1.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. Has no effect on this model, as it does not have such a control.

2 Depth Toggle

Enables or disables the front panel Depth control. Has no effect on this model, as it does not have such a control.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 Channel Selector

Selects the current amp channel to be emulated on multi-channel amps.

10 Preset Manager

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

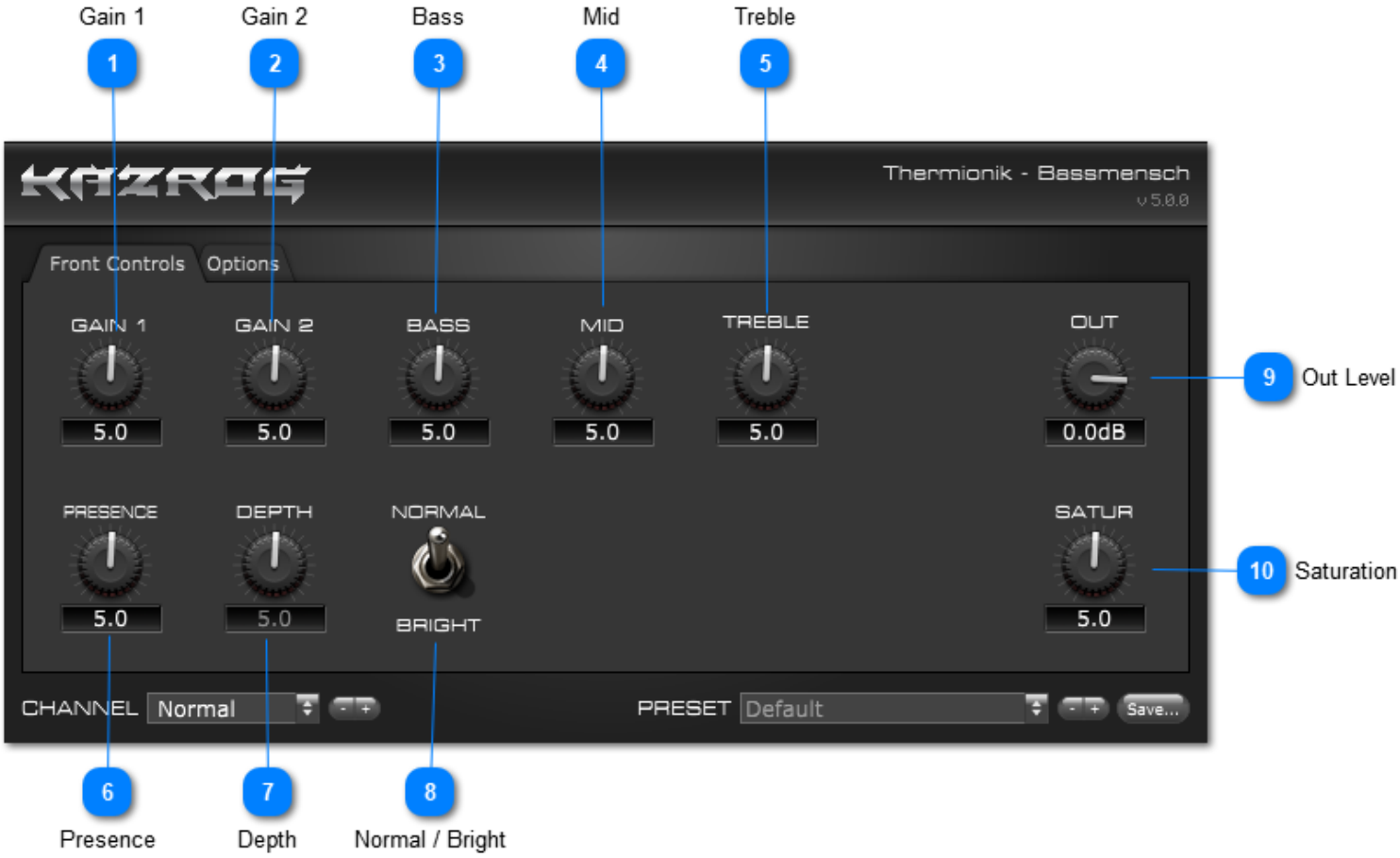
1.3.2. Thermionik - Bassmensch

This amp emulation is based on the famous Fender '59 Bassman. This is a clean to mid gain powerhouse, capable of lush, expressive tones in a wide variety of styles.

Channels:

1. **Normal** - A very bass-heavy sound, great for adding warmth and smoothness to an overly bright guitar.
2. **High** - A more balanced, present tone.
3. **Jump** - An emulation of the popular "jumpered" sound using the patch bay on the front of the real amp. This mixes channels 1 and 2. Adjust the gain of each to create the ultimate sonic hybrid.

1.3.2.1. Front Controls



1 **Gain 1**

Controls the amount of overdrive into the Normal channel.

2 **Gain 2**

Controls the amount of overdrive into the High channel.

3 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

4 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

5 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

6 **Presence**

Adusts the high end presence in the poweramp.

7 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

8 **Normal / Bright**

Toggles the preamp character between normal (exact hardware emulation) and bright mode. This can be used to brighten the sound of a normally dark setting.

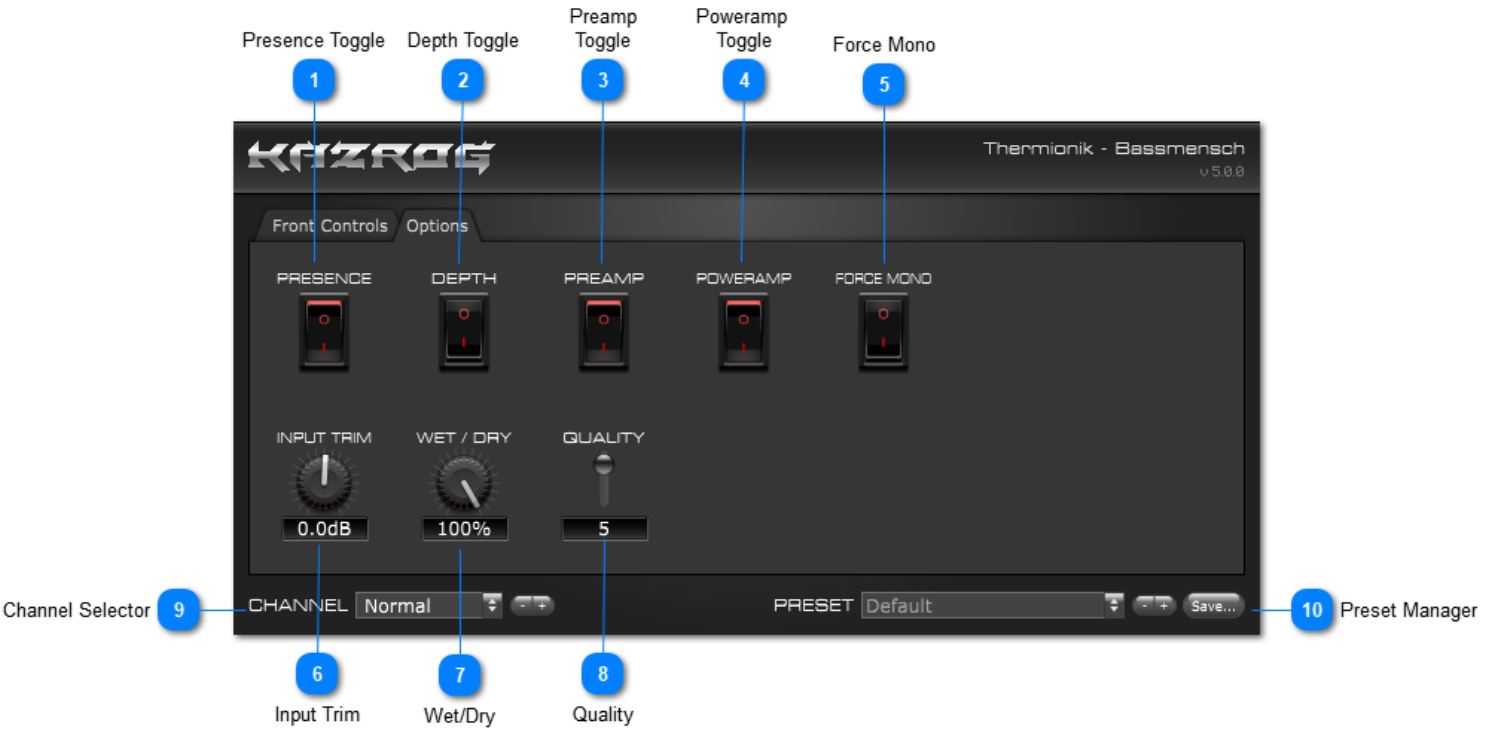
9 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

10 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.2.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 **Channel Selector**

Selects the current amp channel to be emulated on multi-channel amps.

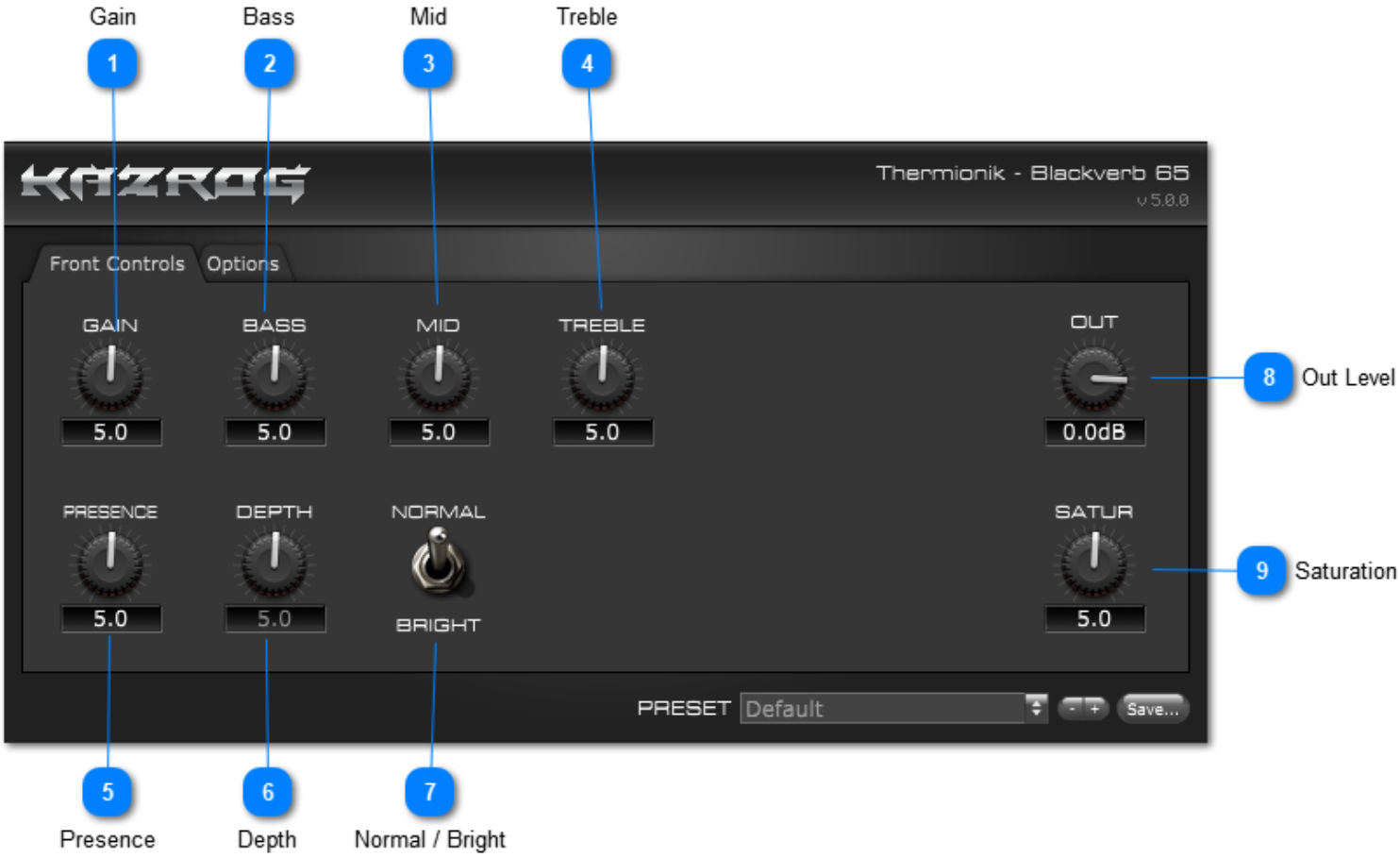
10 **Preset Manager**

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.3.3. Thermionik - Blackverb

This amp emulation is based on the famous Fender '65 Deluxe Reverb. This is a clean to mid gain powerhouse, capable of lush, expressive tones in a wide variety of styles.

1.3.3.1. Front Controls



1 **Gain**

Controls the amount of preamp gain desired.

2 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

3 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

5 **Presence**

Adusts the high end presence in the poweramp.

6 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

7 **Normal / Bright**

Toggles the preamp character between normal (exact hardware emulation) and bright mode. This can be used to brighten the sound of a normally dark setting.

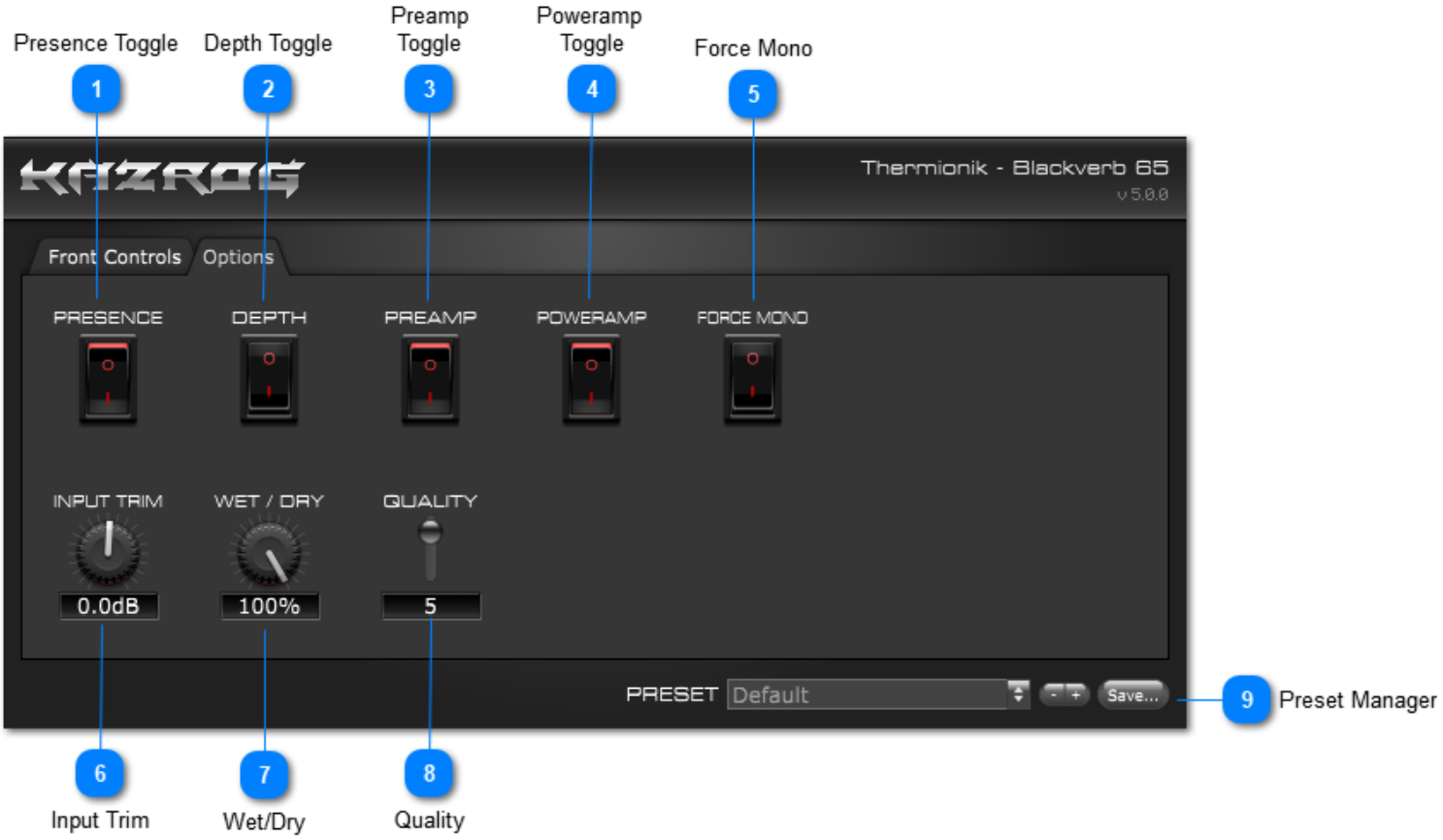
8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.3.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

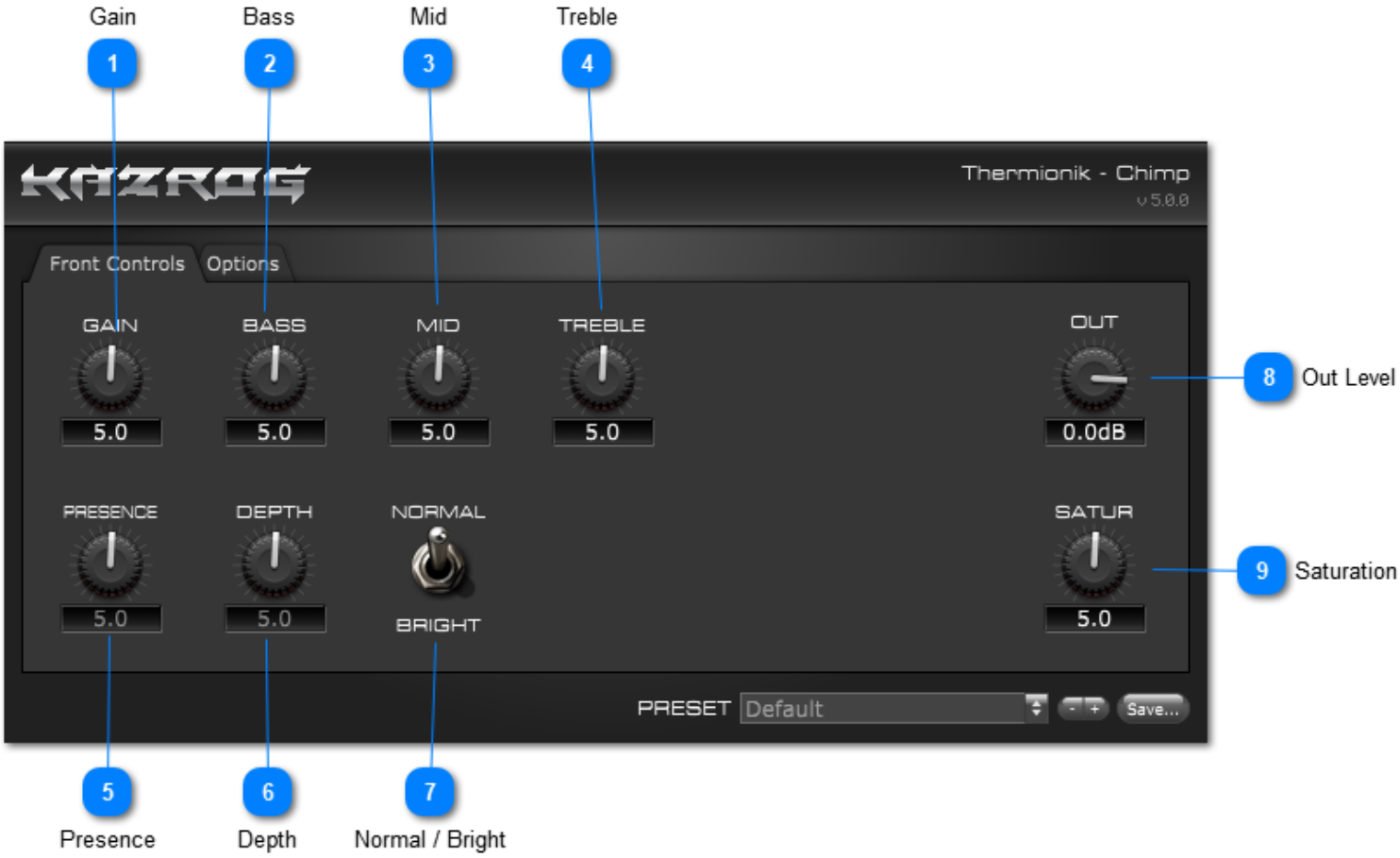
9 Preset Manager

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.3.4. Thermionik - Chimp

This amp emulation is based on the famous Fender '62 Champ. This is a gnarly, grungy little amp, perfect for tones spanning the British invasion of the 1960s to the Seattle scene of the 1990s.

1.3.4.1. Front Controls



1 **Gain**

Controls the amount of preamp gain desired.

2 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

3 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

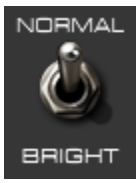
5 **Presence**

Adusts the high end presence in the poweramp.

6 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

7 **Normal / Bright**



Toggles the preamp character between normal (exact hardware emulation) and bright mode. This can be used to brighten the sound of a normally dark setting.

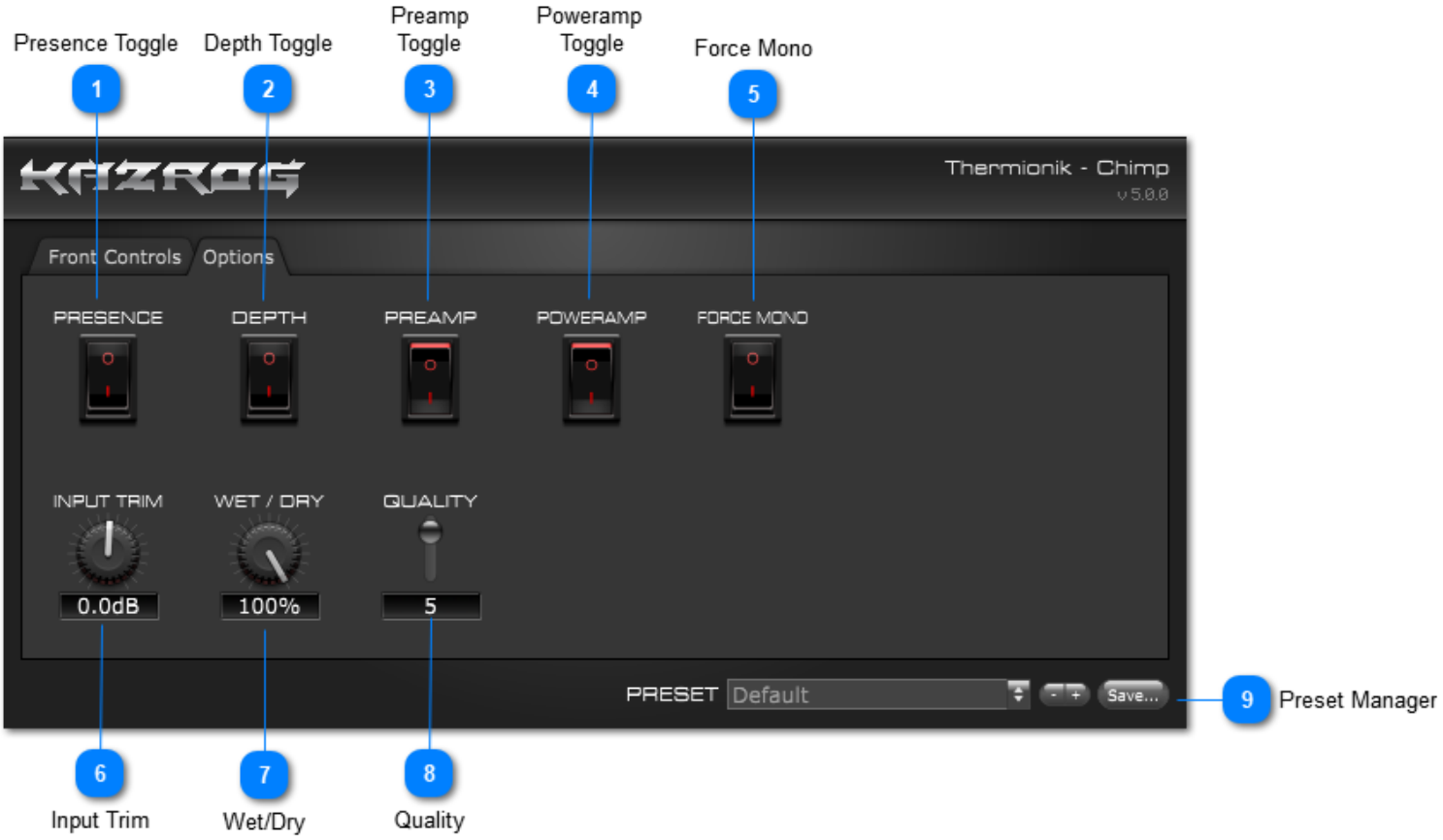
8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.4.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 Preset Manager

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

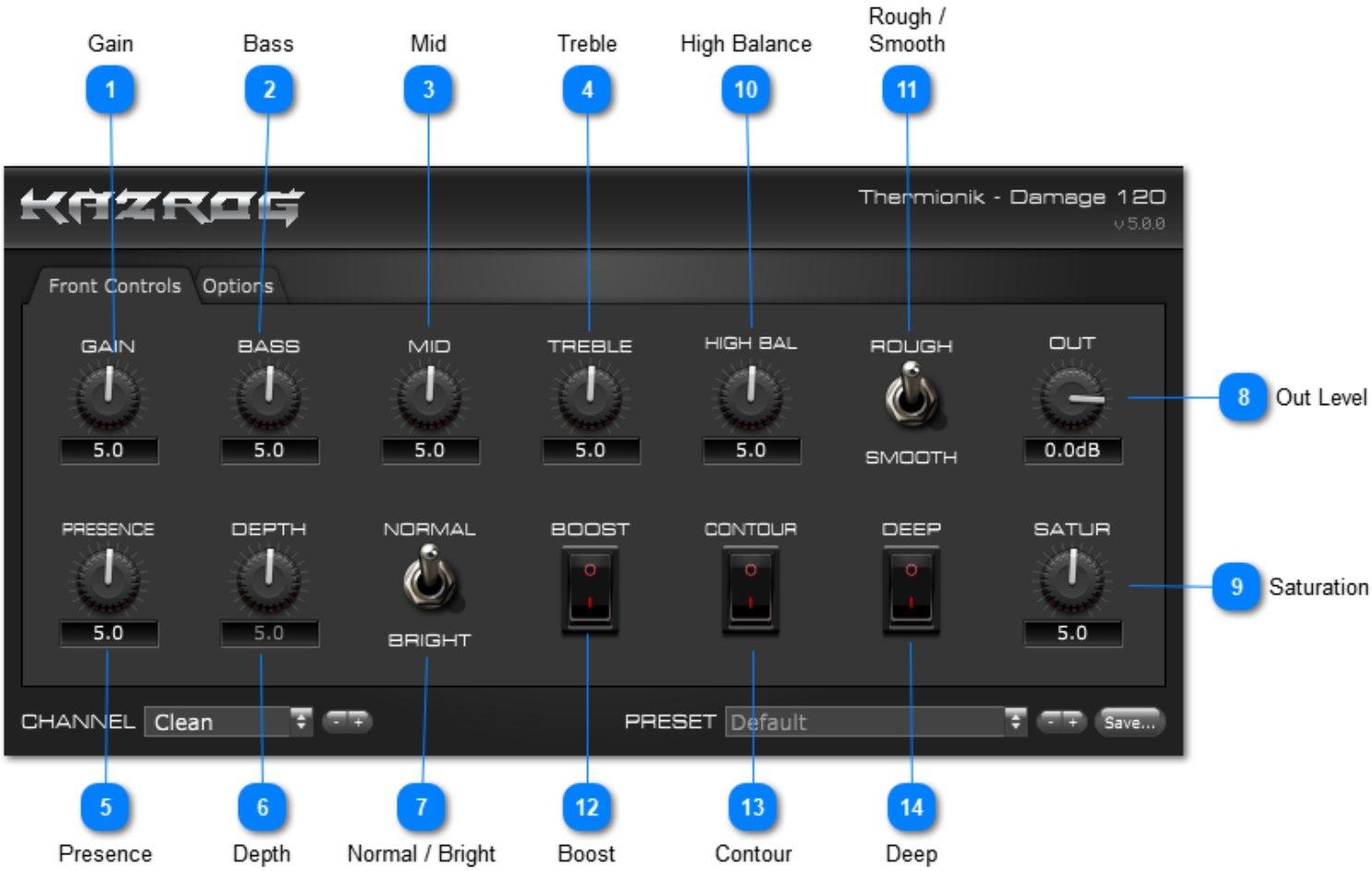
1.3.5. Thermionik - Damage 120

This amp emulation is based on the ENGL Savage 120 head. This amp is designed for modern, articulate metal, however it also boasts some of the most fluid, pristine clean and crunch sounds out there, as well as a slew of voicing features.

Channels:

1. **Clean** - Extremely pristine, crystal clean tone.
2. **Crunch** - The most versatile channel, capable of very touch-sensitive mid gain tones to classic British style high gain.
3. **Lead** - Brutal and articulate, this channel is pure metal.

1.3.5.1. Front Controls



1 **Gain**

Controls the amount of preamp gain desired.

2 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

3 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

4 Treble

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

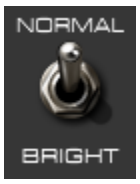
5 Presence

Adusts the high end presence in the poweramp.

6 Depth

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

7 Normal / Bright



Toggles the preamp character between normal and bright mode in the Clean and Crunch channels.

8 Out Level

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 Saturation

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

10 High Balance

Treble balance control, operable in the Lead channel's Smooth mode only. This control allows you to boost or cut the high end in relation to the amount of treble determined by the TREBLE setting.

11 Rough / Smooth

Switches between two completely unique overdrive characteristics:
- **Rough:** Scooped emphasis on high and low end.
- **Smooth:** Warm emphasis on midrange, suppresses the gritty upper frequencies.

12 Boost

Boosts the degree of distortion in the Lead channel, with primary emphasis on the bottom end.

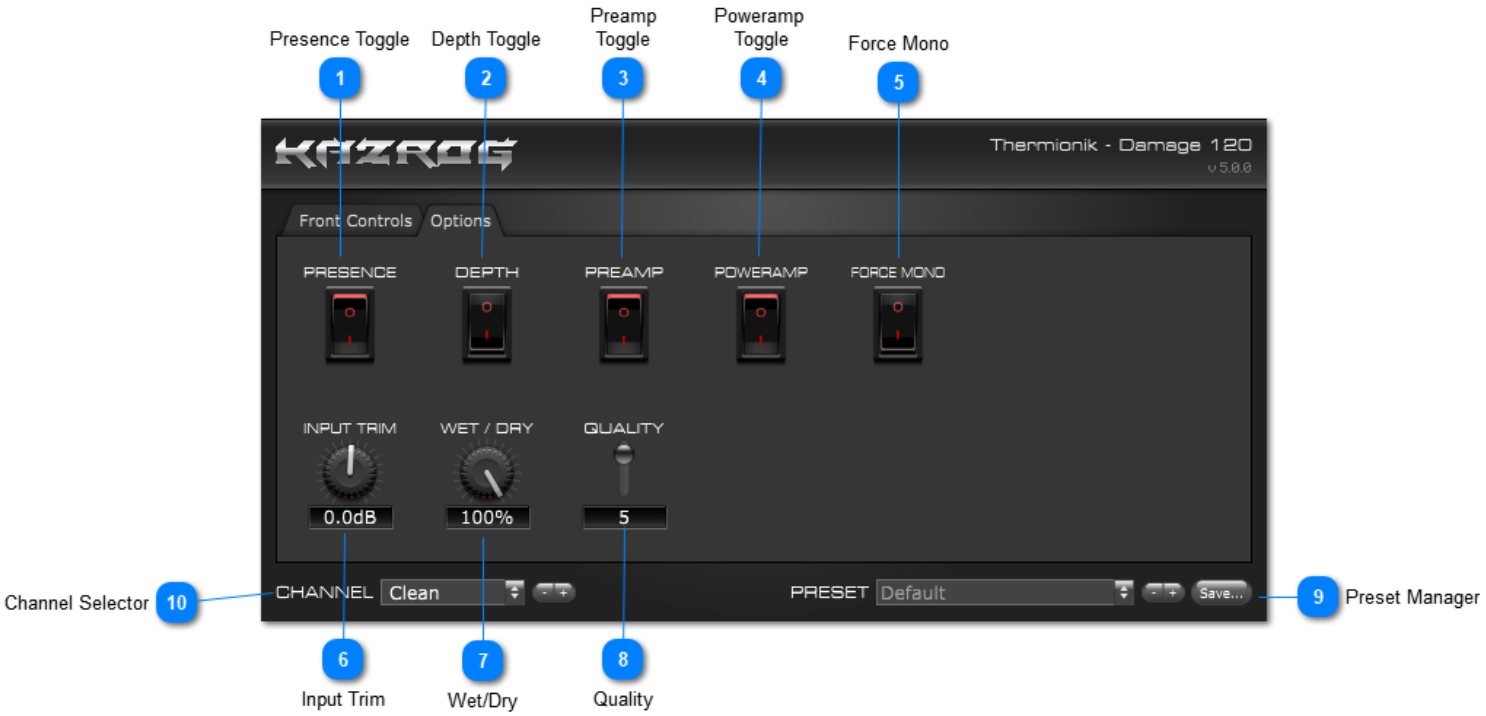
13 Contour

Changes Lead channel's voicing. When the contour feature is active, it affects two midrange frequencies:
- **Off position:** boosts lower midrange (around 500 Hz.)
- **On position:** boosts upper midrange (from 1200 Hz upwards) and cuts lower midrange.

14 Deep

Not to be confused with Depth, this is a voicing toggle. When enabled, it boosts the bottom end at 80Hz +6 dB in the poweramp.

1.3.5.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 Preset Manager

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

10 Channel Selector

Selects the current amp channel to be emulated on multi-channel amps.

1.3.6. Thermionik - Duality 2ch

This amp emulation is based on the Mesa/Boogie Dual Rectifier (2 channel) head. This amp is designed for modern high gain, however, it also boasts some of the most organic, saturated clean and crunch sounds out there, as well as a slew of voicing features. Some of the voicing toggles from the real amp have been represented in the plugin as separate channels, to facilitate ease of use.

Channels:

1. **Orange - Clean**: Vintage style, Fender-like clean tone.
2. **Orange - Normal**: Touch sensitive mid to high gain.
3. **Orange - Modern:** High gain with a dark voicing.
4. **Red - Normal**: Modern mid to high gain.
5. **Red - Modern:** Modern, bright, saturated high gain.

1.3.6.1. Front Controls

1 **Gain**

Controls the amount of preamp gain desired.

2 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

3 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

5 **Presence**

Adusts the high end presence in the poweramp.

6 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

7 **Normal / Bright**

Toggles the preamp character between normal and bright mode in the Clean and Crunch channels.

8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

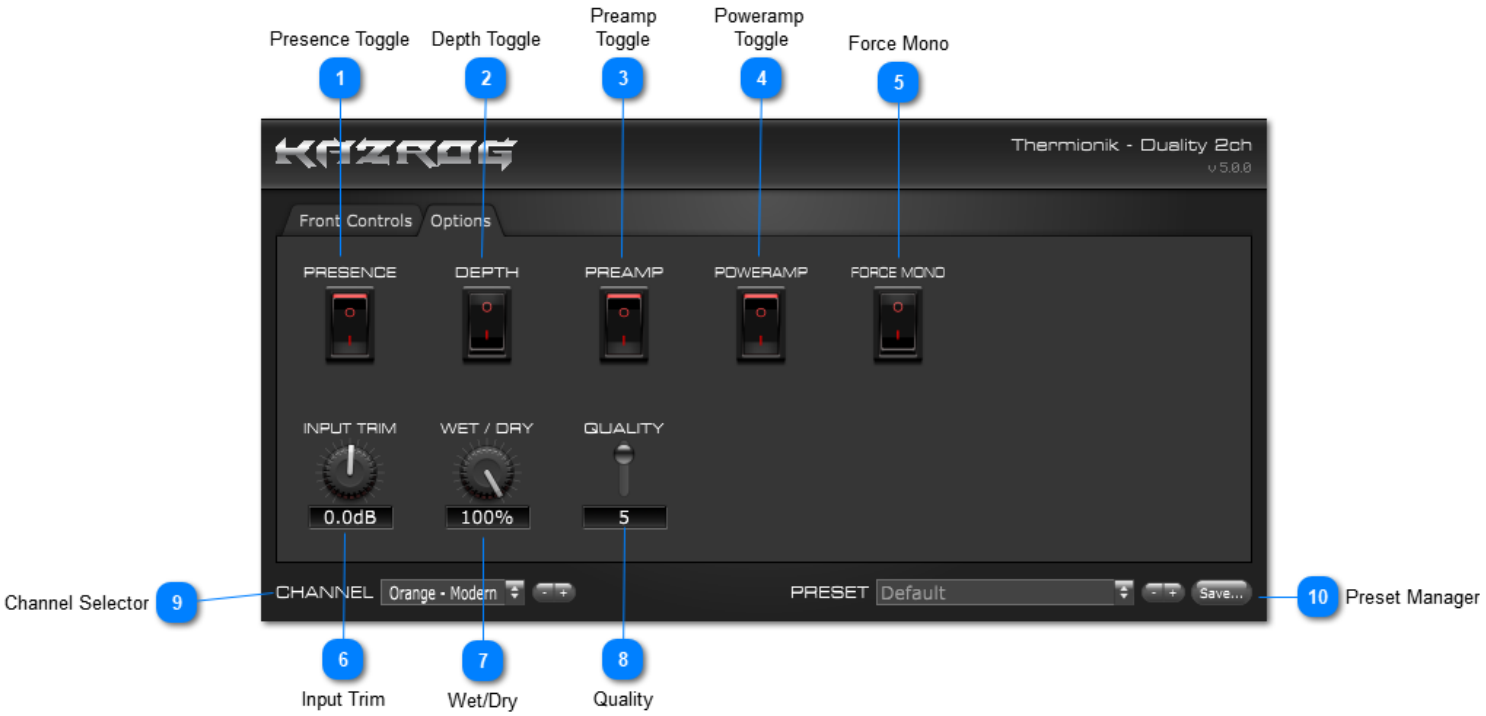
10 Bold / Spongy

Changes the poweramp's saturation characteristic. Bold is the standard mode, whereas Spongy works like a built in Variac, reducing internal voltages and increasing saturation for a legato-friendly, "brown sound" style tone.

11 Silicon / Tubes

Hence the name of the original amp, this allows you to switch between two rectifier modes. Silicon diode rectifiers offer more punch, a tighter attack with added brightness and substantially more headroom. This is ideal for high headroom clean playing or tight metal rhythms. Tube rectifiers offer a more vintage style, compressed sound, as early tube amplifiers exclusively used tube rectifiers (silicon diodes did not exist yet.)

1.3.6.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 Channel Selector

Selects the current amp channel to be emulated on multi-channel amps.

10 Preset Manager

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.3.7. Thermionik - Duality 3ch

This amp emulation is based on the Mesa/Boogie Dual Rectifier (3 channel) head. This amp is designed for modern high gain, however, it also boasts some of the most organic, saturated clean and crunch sounds out there, as well as a slew of voicing features. Some of the voicing toggles from the real amp have been represented in the plugin as separate channels, to facilitate ease of use.

Channels:

1. **Clean**: Vintage style, Fender-like clean tone.
2. **Clean - Pushed**: Vintage style, Fender-like overdriven tone.
3. **Orange - Raw**: Brutal dark saturation.
4. **Orange - Vintage**: Touch sensitive mid to high gain.
5. **Orange - Modern:** High gain with a dark voicing.
6. **Red - Raw**: Brutal mid focused fuzz.
7. **Red - Vintage**: An overdriven vintage high gain tone.
8. **Red - Modern:** High gain with a bright voicing.

1.3.7.1. Front Controls

1 Gain

Controls the amount of preamp gain desired.

2 Bass

Adjusts the proportion and slope of bass frequency content in the preamp.

3 Mid

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

5 **Presence**

Adusts the high end presence in the poweramp.

6 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

7 **Normal / Bright**

Toggles the preamp character between normal and bright mode in the Clean and Crunch channels.

8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

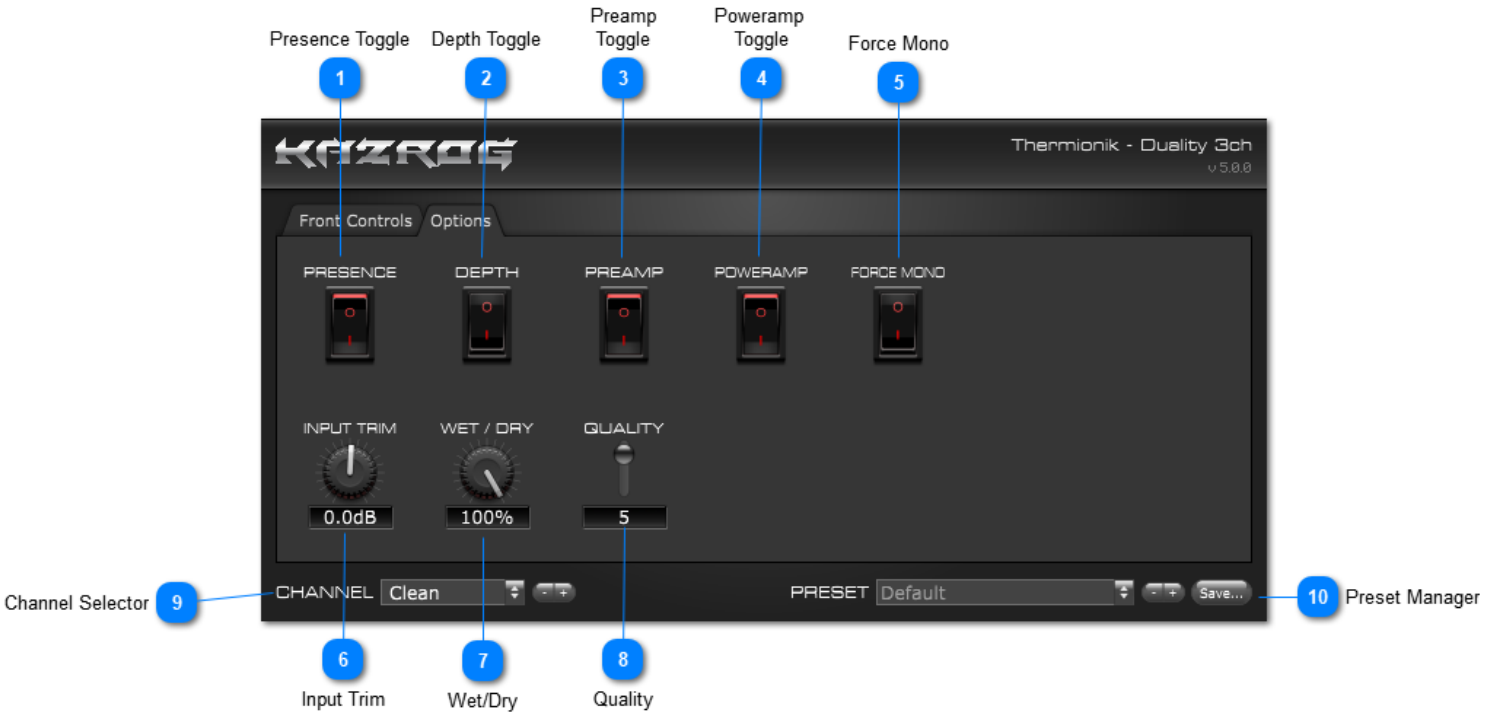
10 Bold / Spongy

Changes the poweramp's saturation characteristic. Bold is the standard mode, whereas Spongy works like a built in Variac, reducing internal voltages and increasing saturation for a legato-friendly, "brown sound" style tone.

11 Silicon / Tubes

Hence the name of the original amp, this allows you to switch between two rectifier modes. Silicon diode rectifiers offer more punch, a tighter attack with added brightness and substantially more headroom. This is ideal for high headroom clean playing or tight metal rhythms. Tube rectifiers offer a more vintage style, compressed sound, as early tube amplifiers exclusively used tube rectifiers (silicon diodes did not exist yet.)

1.3.7.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 **Channel Selector**

Selects the current amp channel to be emulated on multi-channel amps.

10 **Preset Manager**

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.3.8. Thermionik - FB100

This amp emulation is based on the Friedman BE-100 head. This amp is designed to be a modern/vintage hybrid - offering a unique and powerful variation on the coveted "hot rodded Plexi" or "brown sound" tones.

Channels:

1. **Clean** - Vintage style clean tone.
2. **BE** - British style high gain.
3. **HBE** - Saturated, ultra heavy (yet still Plexi inspired) high gain.

1.3.8.1. Front Controls

1 Gain

Controls the amount of preamp gain desired.

2 Bass

Adjusts the proportion and slope of bass frequency content in the preamp.

3 Mid

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

5 **Presence**

Adusts the high end presence in the poweramp.

6 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

7 **Normal / Bright**

Toggles the preamp character between normal and bright mode in the Clean and Crunch channels.

8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

10 **Fat**

Makes the sound fatter when enabled. Recommended for single coil pickups.

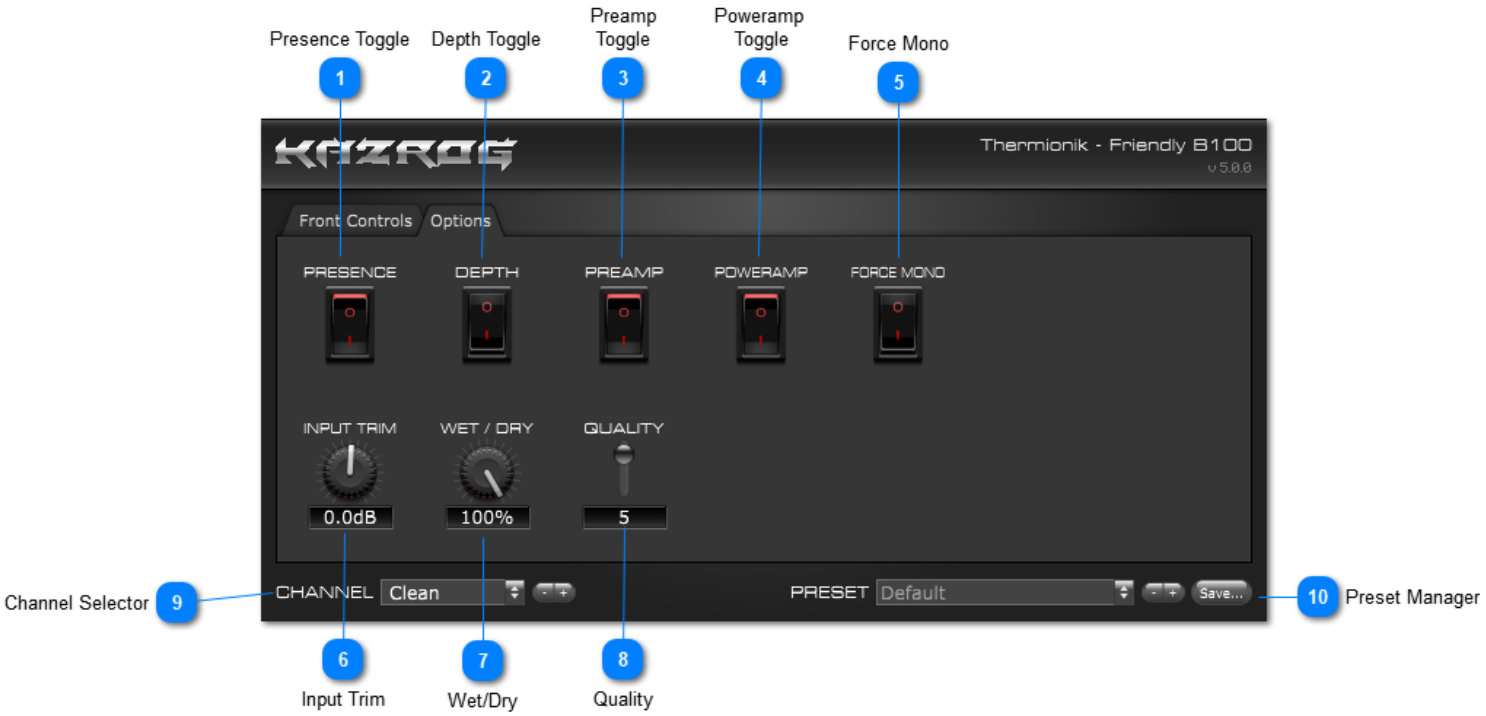
11 **C45**

Custom voicing switch for the BE and HBE channels.

12 **Sat**

Not to be confused with Saturation, this is a voicing toggle. Primarily designed to be used in the BE and/or C45 mode to add gain, compression and saturation when enabled.

1.3.8.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 **Channel Selector**

Selects the current amp channel to be emulated on multi-channel amps.

10 **Preset Manager**

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

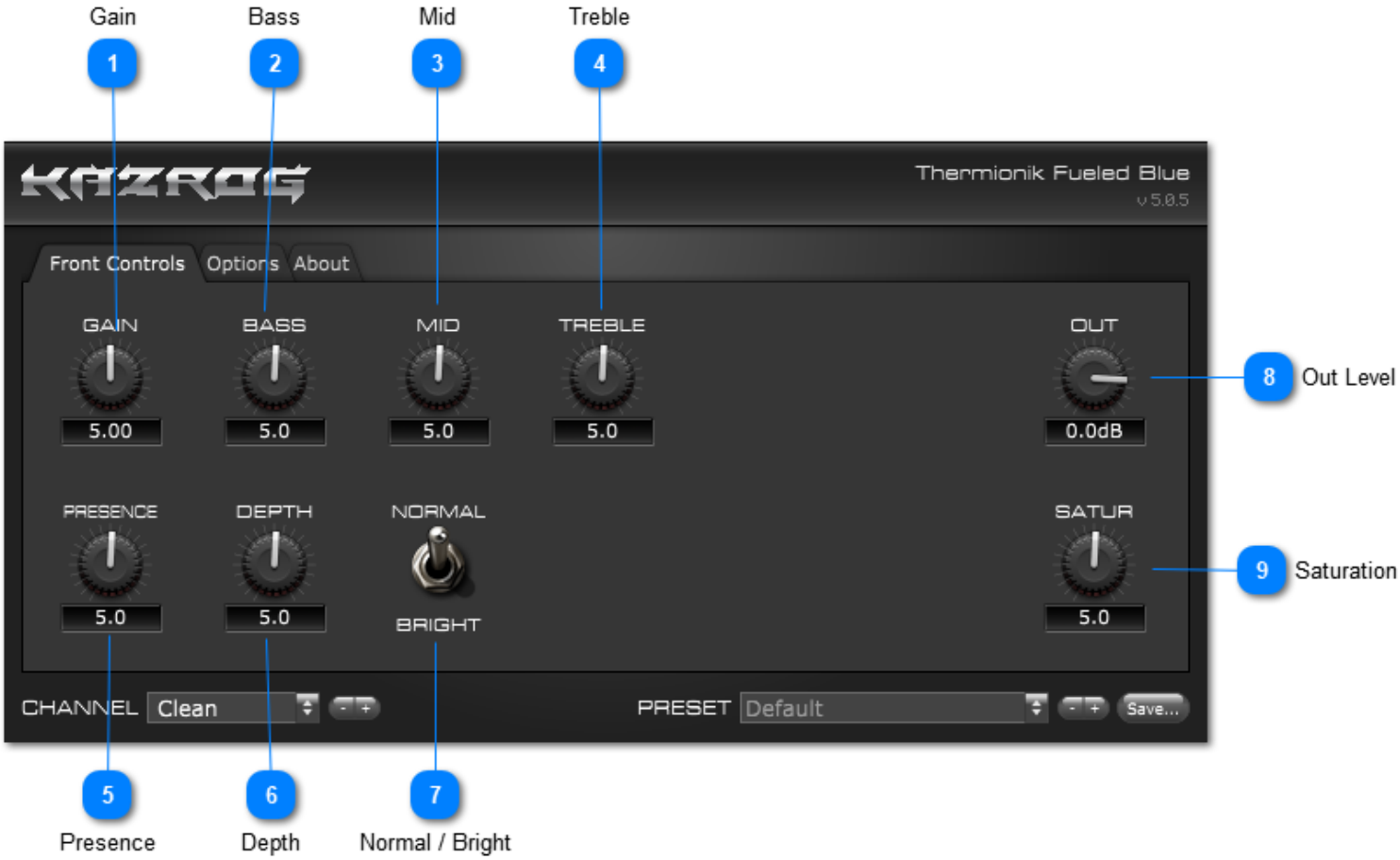
1.3.9. Thermionik - Fueled Blue

This amp emulation is based on the Diezel VH4 (blue faceplate edition.) This is a ridiculous high gain beast designed to melt faces, burninate the countryside, and burninate the peasants.

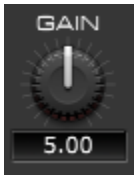
Channels:

1. **Clean** - A surprisingly mature, majestic, stately clean tone that evokes the best of a Fender style clean. Warm, yet with a very open top end.
2. **Crunch** - A very versatile crunch sound that can also perform high gain very nicely.
3. **Lead 1** - Perfect for soloing effortlessly, this is a nice articulate lead channel with plenty of headroom.
4. **Lead 2** - This is where the deathmetal is at. Deadly rhythms for days. Quite possibly the most low end chunk out of a *still articulate* channel on any model in the Thermionik collection.

1.3.9.1. Front Controls



1 **Gain**



Controls the amount of preamp gain desired.

2 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

3 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

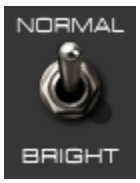
5 **Presence**

Adusts the high end presence in the poweramp.

6 **Depth**

Adjusts the low end depth in the poweramp. Known as "Resonance" on the real amp, this control does exactly the same thing.

7 **Normal / Bright**



Toggles the preamp character between normal and bright mode.

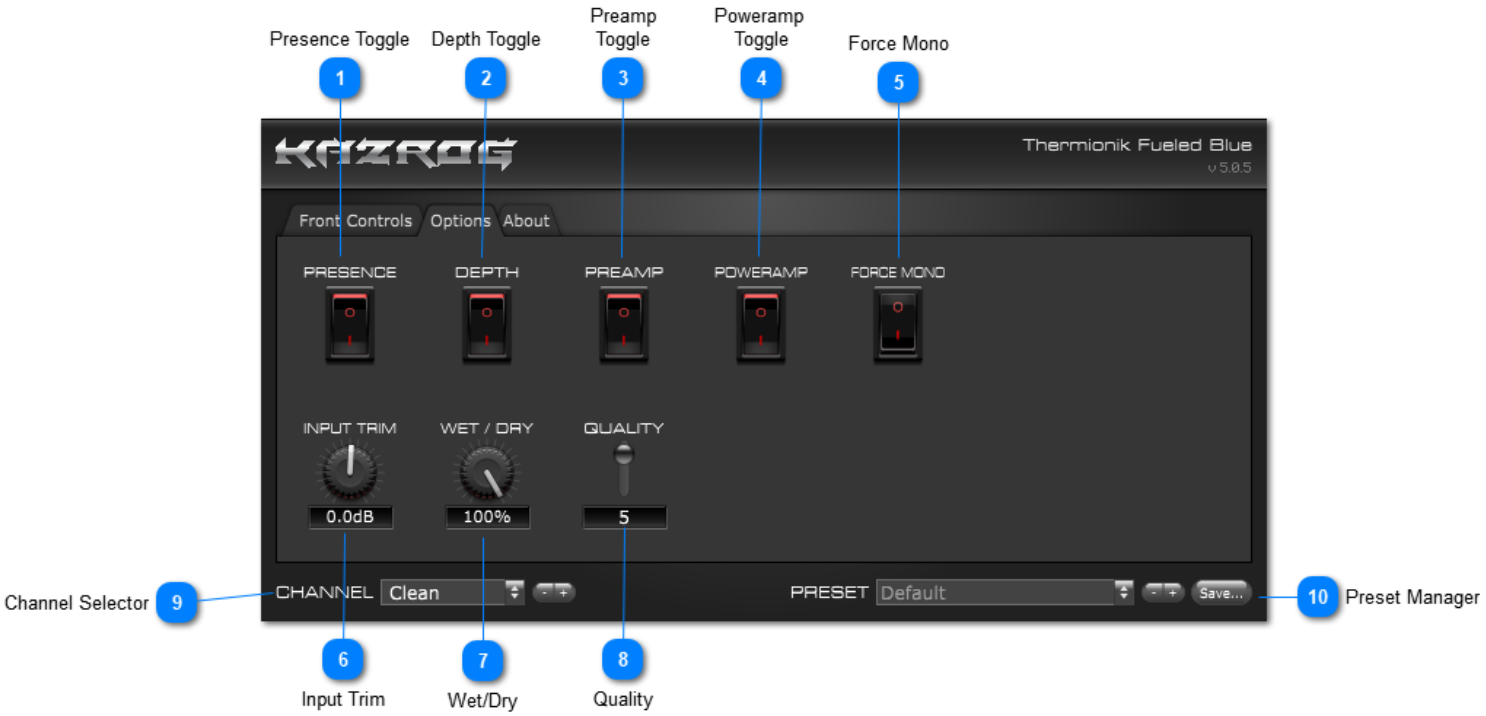
8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.9.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 Channel Selector

Selects the current amp channel to be emulated on multi-channel amps.

10 Preset Manager

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

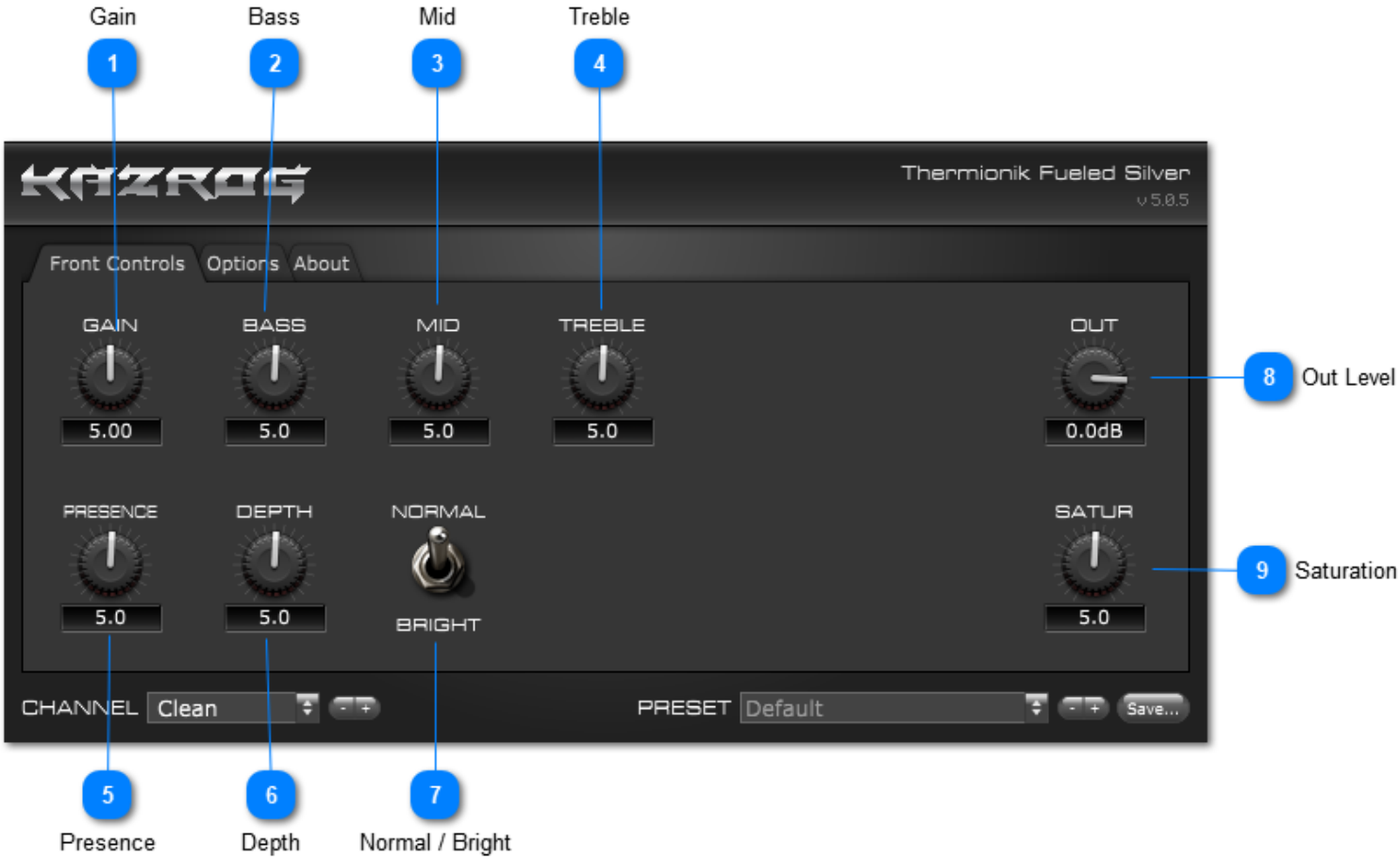
1.3.10. Thermionik - Fueled Silver

This amp emulation is based on the Diezel VH4 (silver faceplate edition.) This is a ridiculous high gain beast designed to melt faces, burninate the countryside, and burninate the peasants.

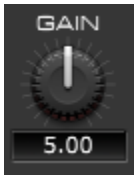
Channels:

1. **Clean** - A surprisingly mature, majestic, stately clean tone that evokes the best of a Fender style clean. Warm, yet with a very open top end.
2. **Crunch** - A very versatile crunch sound that can also perform high gain very nicely.
3. **Lead 1** - Perfect for soloing effortlessly, this is a nice articulate lead channel with plenty of headroom.
4. **Lead 2** - This is where the deathmetal is at. Deadly rhythms for days. A bit less boomy than the Blue edition, more similar in character to the Damage 120 or Psycho C lead channels.

1.3.10.1. Front Controls



1 **Gain**



Controls the amount of preamp gain desired.

2 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

3 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

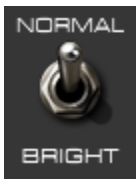
5 **Presence**

Adusts the high end presence in the poweramp.

6 **Depth**

Adjusts the low end depth in the poweramp. Known as "Resonance" on the real amp, this control does exactly the same thing.

7 **Normal / Bright**



Toggles the preamp character between normal and bright mode.

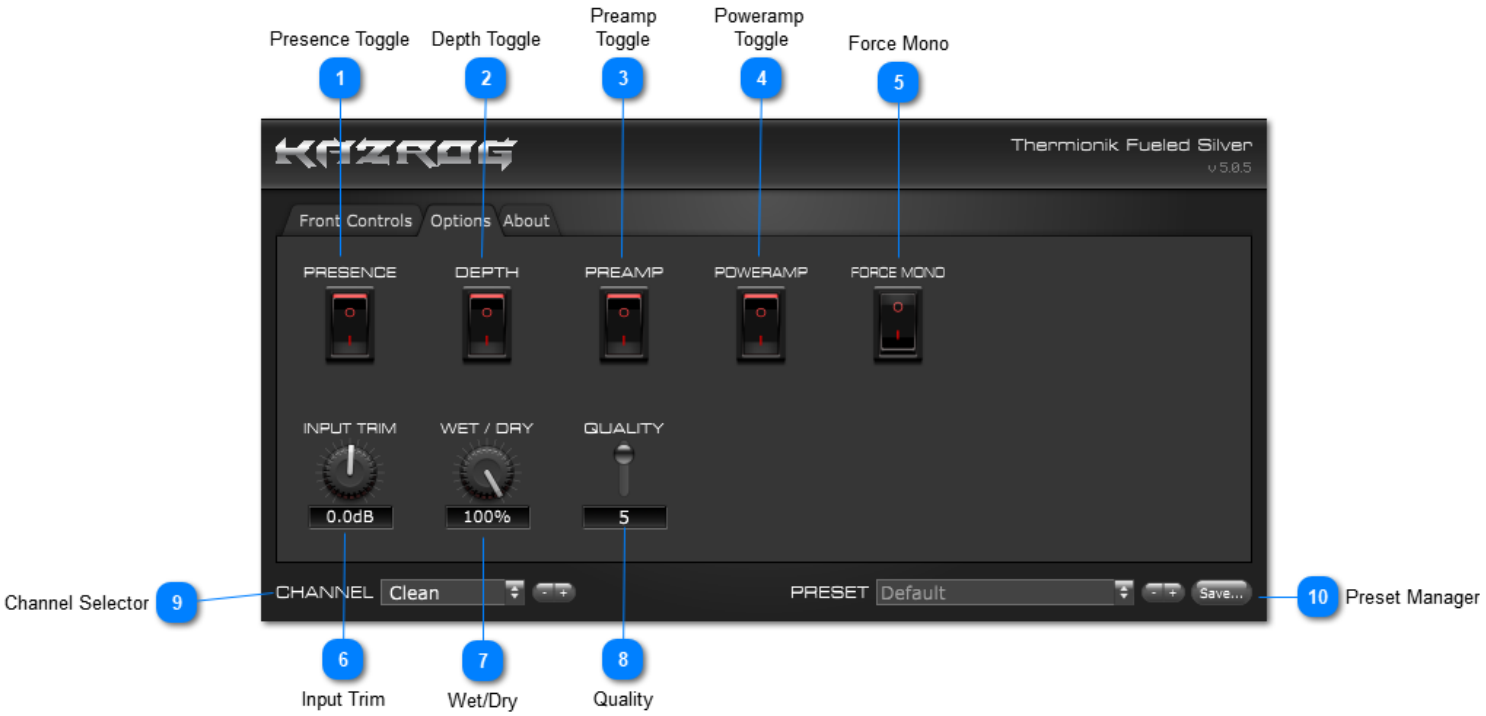
8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.10.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 **Channel Selector**

Selects the current amp channel to be emulated on multi-channel amps.

10 **Preset Manager**

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.3.11. Thermionik - M2B

This amp emulation is based on the Mesa/Boogie Mark IIB. This amp is designed for lush vintage style clean tones, powerful blues overdrive, and searing lead tones.

Channels:

1. **Clean** - Vintage style, Fender-like saturated clean tone.
2. **Rhythm** - Touch-sensitive mid gain tones to classic British style high gain.
3. **Lead** - Powerful high gain channel with versatile voicing.

1.3.11.1. Front Controls

1 **Gain**

Controls the amount of preamp gain desired.

2 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

3 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

5 **Presence**

Adusts the high end presence in the poweramp.

6 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

7 **Normal / Bright**

Toggles the preamp character between normal and bright mode in the Clean and Crunch channels.

8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

10 Lo Shift

Toggles the voicing of the Bass control.

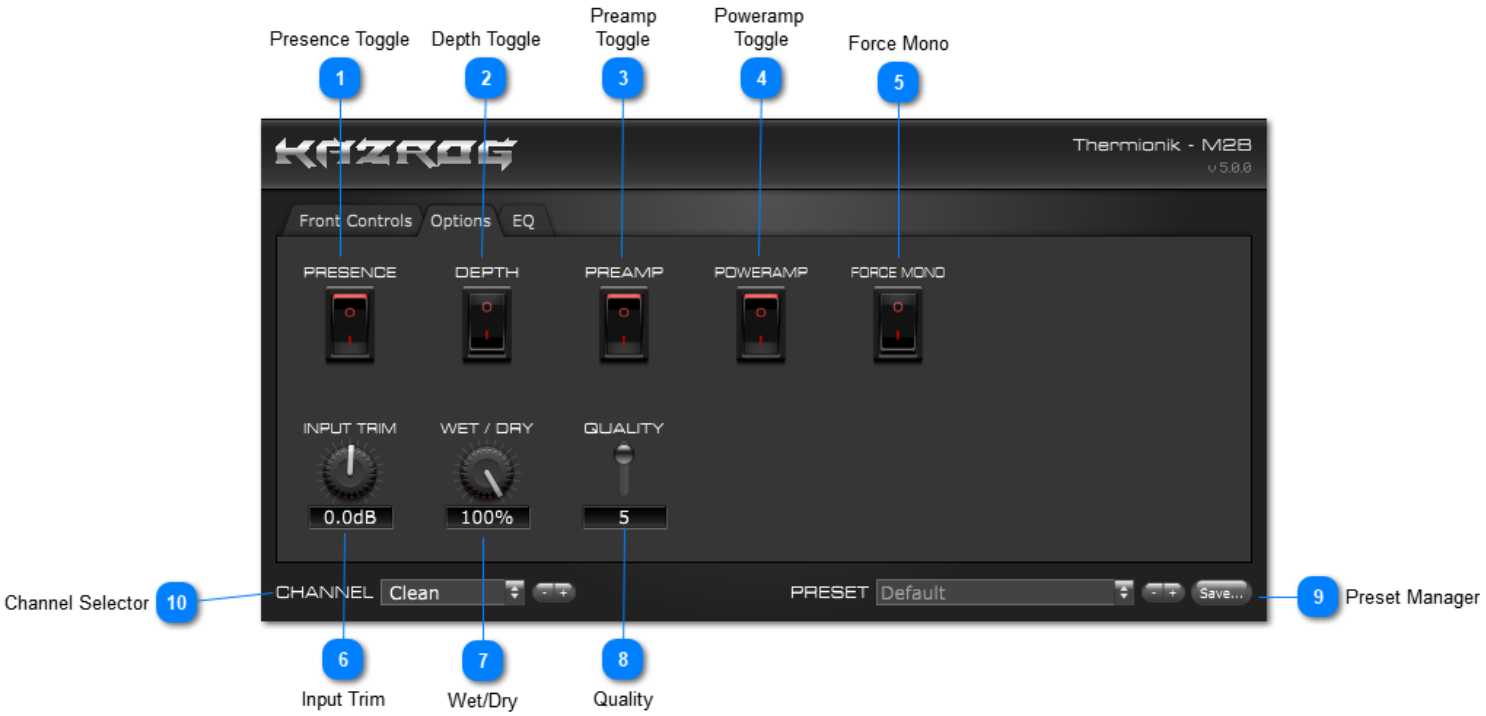
11 Hi Shift

Toggles the voicing of the Treble control.

12 Boost

Adds extra gain and bottom end when enabled.

1.3.11.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

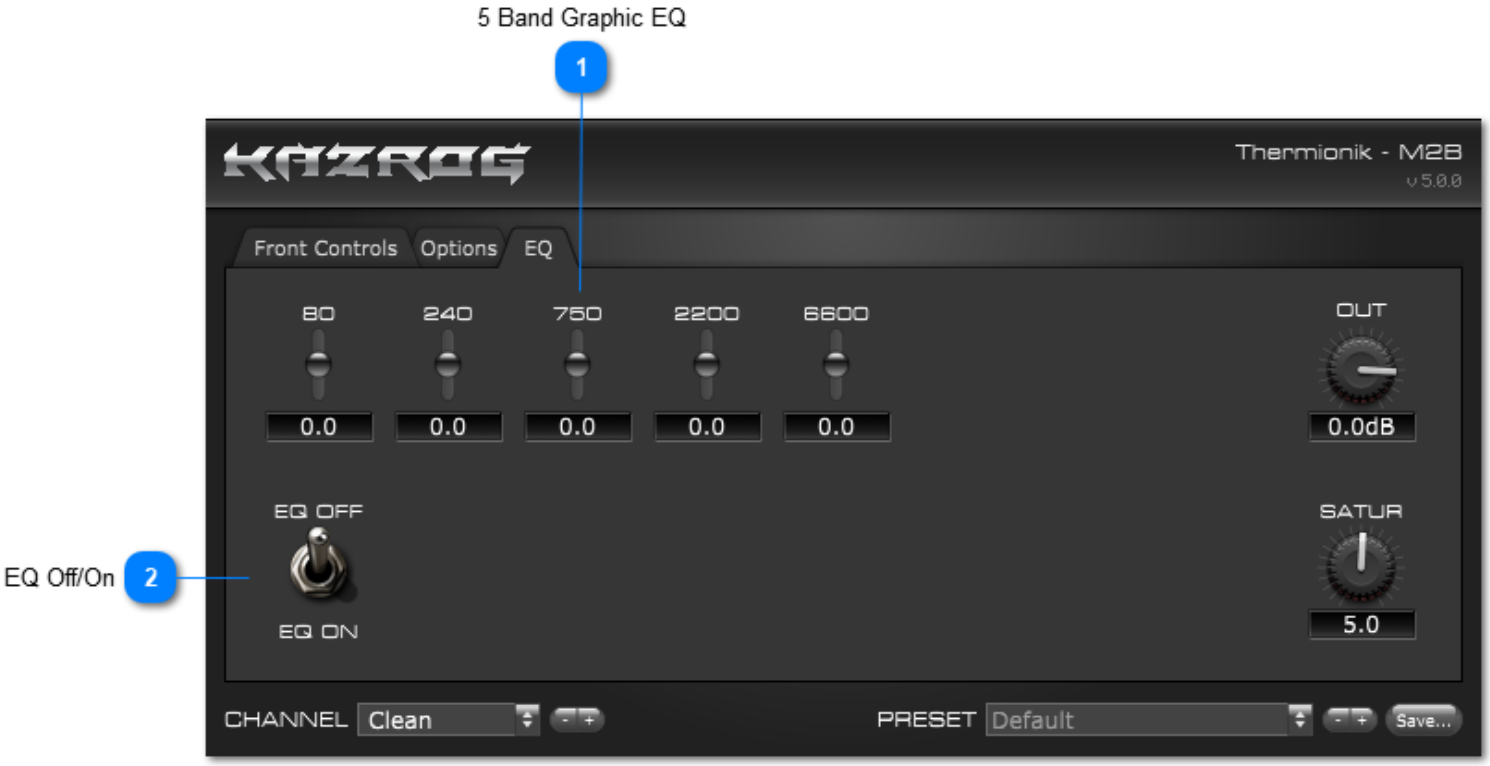
9 Preset Manager

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

10 Channel Selector

Selects the current amp channel to be emulated on multi-channel amps.

1.3.11.3. Graphic EQ



1 5 Band Graphic EQ

This is an emulation of the classic Mesa/Boogie 5 band Graphic EQ option. The specific frequencies being boost or cut are displayed above each slider - although these values are only approximate guidelines (there's some "secret sauce" going on with this EQ that makes it different than a standard graphic EQ.)

2 EQ Off/On

Enables or disables the Graphic EQ (true bypass.)

1.3.12. Thermionik - M2C Plush

This amp emulation is based on the legendary Mesa/Boogie Mark IIC+. This amp is arguably the most versatile tube guitar amplifier ever made, and was made famous by guitarists such as John Petrucci and James Hetfield. Beautiful clean tones and articulate high gain for days, not to mention incredibly touch sensitive response on every channel.

Channels:

1. **Clean** - Vintage style, Fender-like saturated clean tone.
2. **Rhythm** - Touch-sensitive mid gain tones to classic British style high gain.
3. **Lead** - Powerful high gain channel with versatile voicing.

1.3.12.1. Front Controls

1 Gain

Controls the amount of preamp gain desired.

2 Bass

Adjusts the proportion and slope of bass frequency content in the preamp.

3 Mid

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

5 **Presence**

Adusts the high end presence in the poweramp.

6 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

7 **Normal / Bright**

Toggles the preamp character between normal and bright mode in the Clean and Crunch channels.

8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

10 Lo Shift

Toggles the voicing of the Bass control.

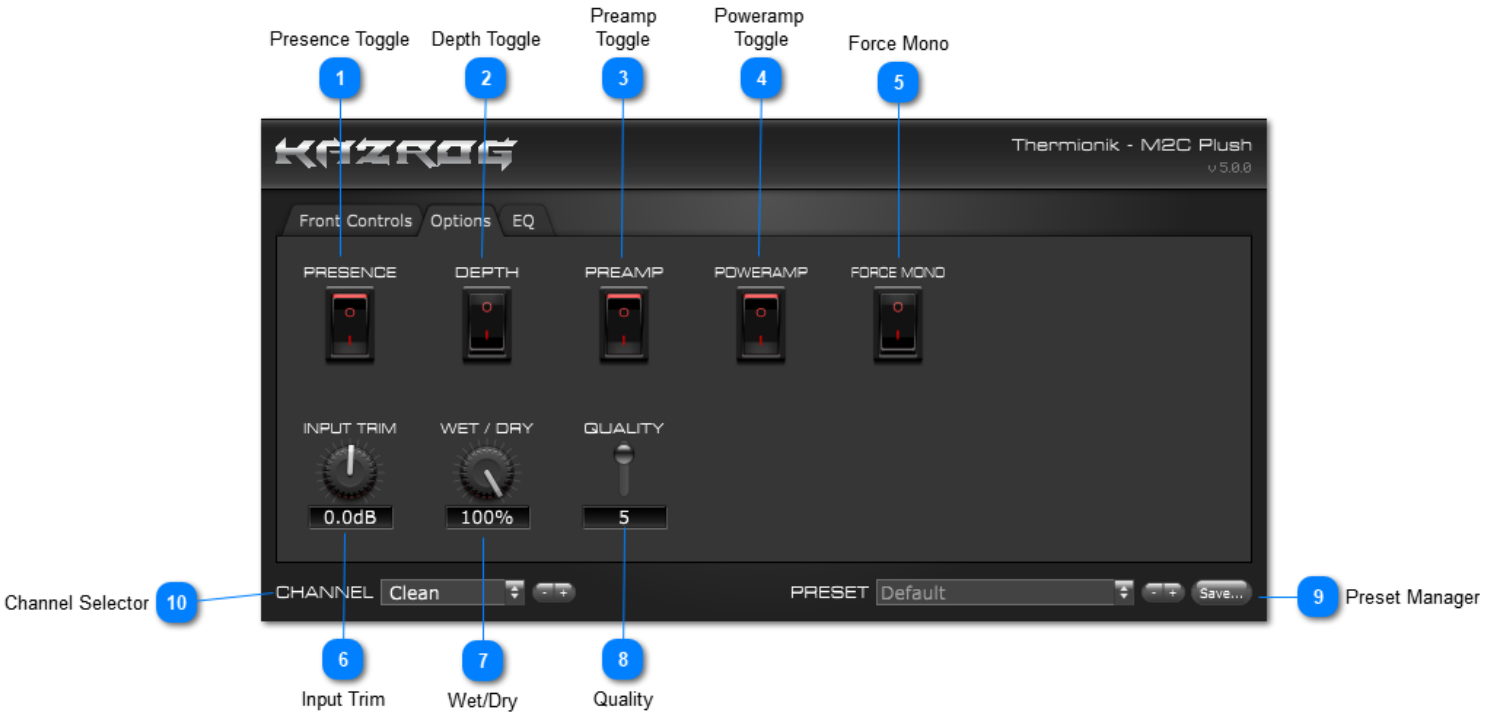
11 Hi Shift

Toggles the voicing of the Treble control.

12 Deep

Adds extra bottom end when enabled.

1.3.12.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

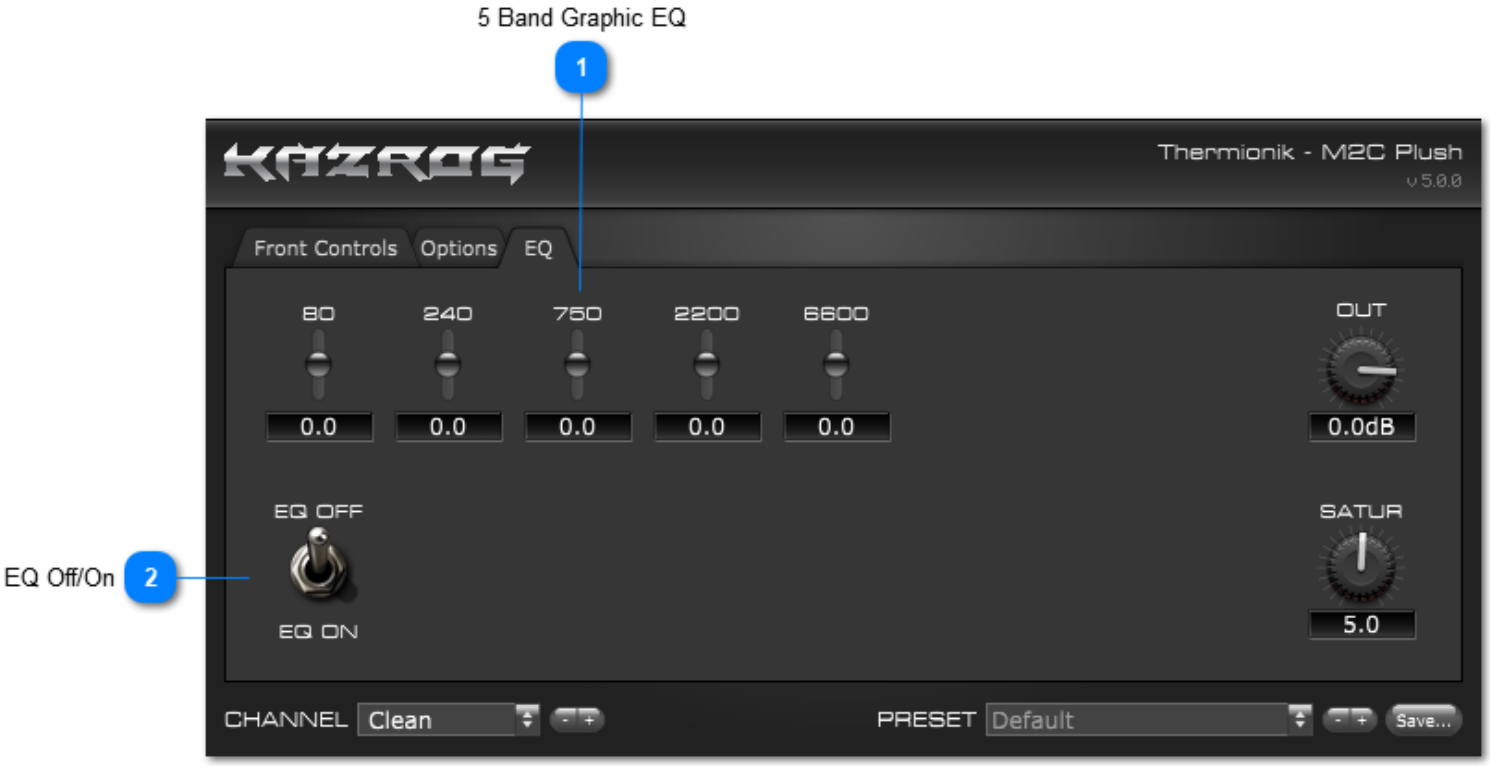
9 **Preset Manager**

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

10 **Channel Selector**

Selects the current amp channel to be emulated on multi-channel amps.

1.3.12.3. Graphic EQ



1 5 Band Graphic EQ

This is an emulation of the classic Mesa/Boogie 5 band Graphic EQ option. The specific frequencies being boost or cut are displayed above each slider - although these values are only approximate guidelines (there's some "secret sauce" going on with this EQ that makes it different than a standard graphic EQ.)

2 EQ Off/On

Enables or disables the Graphic EQ (true bypass.)

1.3.13. Thermionik - M4

This amp emulation is based on the Mesa/Boogie Mark IV. This amp is an incredibly versatile modern powerhouse that can achieve a wide range of tones from vintage clean & blues to modern extreme metal styles.

Channels:

1. **Clean** - Vintage style, Fender-like saturated clean tone.
2. **Rhythm** - Touch-sensitive mid gain tones to classic British style high gain.
3. **Lead** - Powerful high gain channel with versatile voicing.

1.3.13.1. Front Controls

1 **Gain**

Controls the amount of preamp gain desired.

2 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

3 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

5 **Presence**

Adusts the high end presence in the poweramp.

6 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

7 **Normal / Bright**

Toggles the preamp character between normal and bright mode in the Clean and Crunch channels.

8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

10 Pres Shift

Toggles the voicing style of the Presence control.

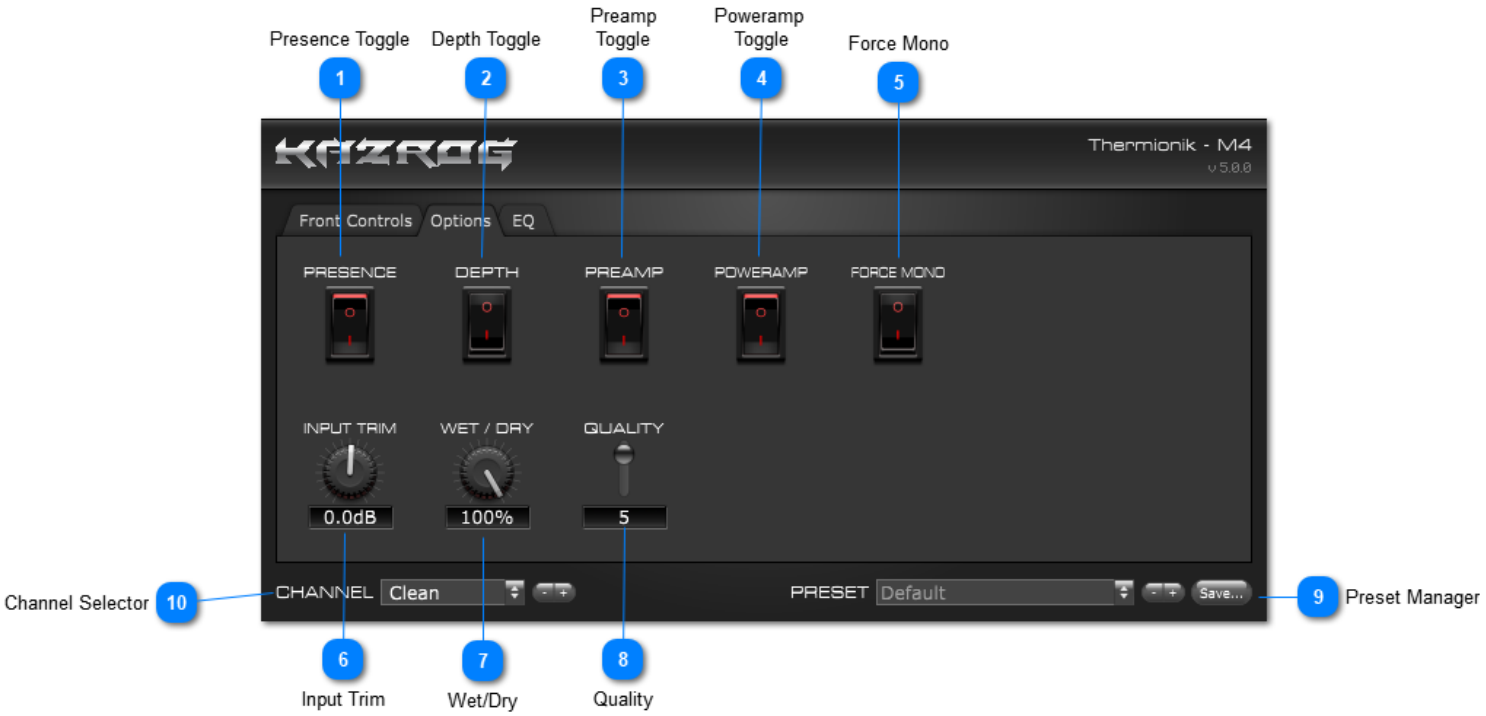
11 Fat

Thickens and saturates the tone when enabled.

12 Harmonic / Mid Gain

Changes the lead channel voicing style.

1.3.13.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

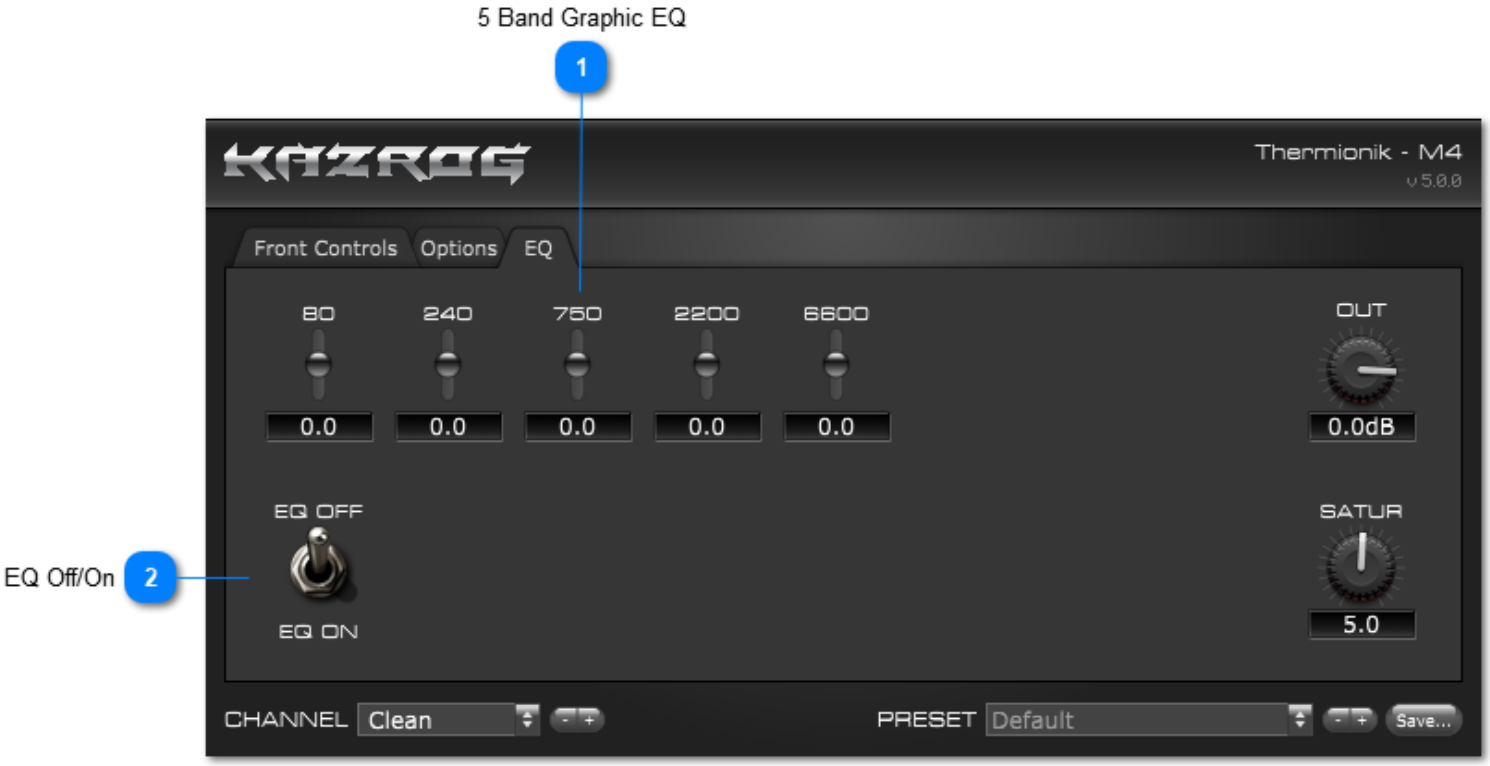
9 Preset Manager

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

10 Channel Selector

Selects the current amp channel to be emulated on multi-channel amps.

1.3.13.3. Graphic EQ



1 5 Band Graphic EQ

This is an emulation of the classic Mesa/Boogie 5 band Graphic EQ option. The specific frequencies being boost or cut are displayed above each slider - although these values are only approximate guidelines (there's some "secret sauce" going on with this EQ that makes it different than a standard graphic EQ.)

2 EQ Off/On

Enables or disables the Graphic EQ (true bypass.)

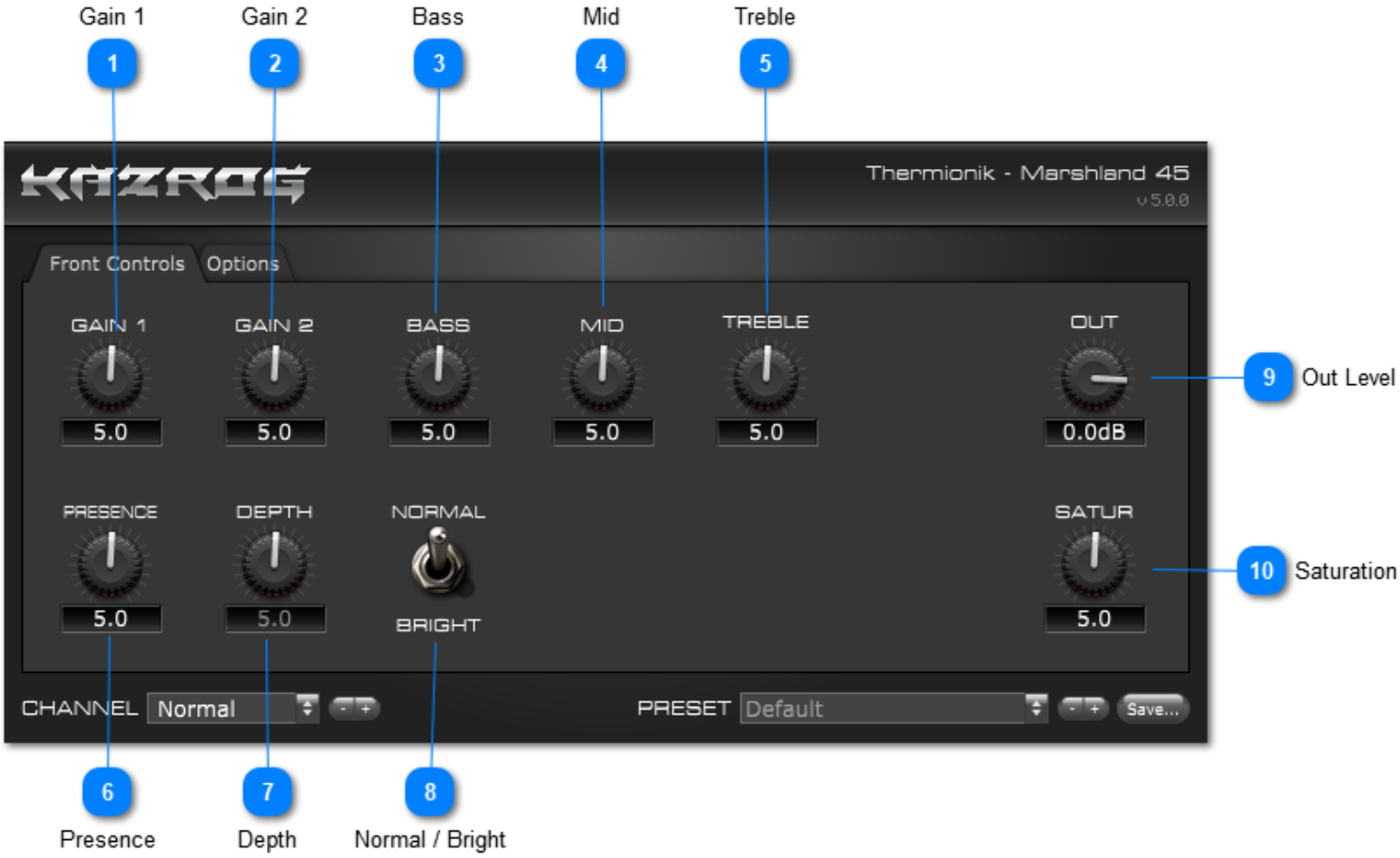
1.3.14. Thermionik - Marshland 45

This amp emulation is based on the famous Marshall JTM45. This is a clean to mid gain powerhouse, capable of lush, expressive tones in a wide variety of styles. This amp shares the same circuit design as the Fender Bassman (emulated in Thermionik's Bassmensch model), but allows for higher gain on tap and has its own unique voicing due to different component selection.

Channels:

1. **Normal** - A very bass-heavy sound, great for adding warmth and smoothness to an overly bright guitar.
2. **High** - A more balanced, present tone.
3. **Jump** - An emulation of the popular "jumpered" sound using the patch bay on the front of the real amp. This mixes channels 1 and 2. Adjust the gain of each to create the ultimate sonic hybrid.

1.3.14.1. Front Controls



1 **Gain 1**

Controls the amount of overdrive into the Normal channel.

2 **Gain 2**

Controls the amount of overdrive into the High channel.

3 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

4 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

5 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

6 **Presence**

Adusts the high end presence in the poweramp.

7 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

8 **Normal / Bright**

Toggles the preamp character between normal (exact hardware emulation) and bright mode. This can be used to brighten the sound of a normally dark setting.

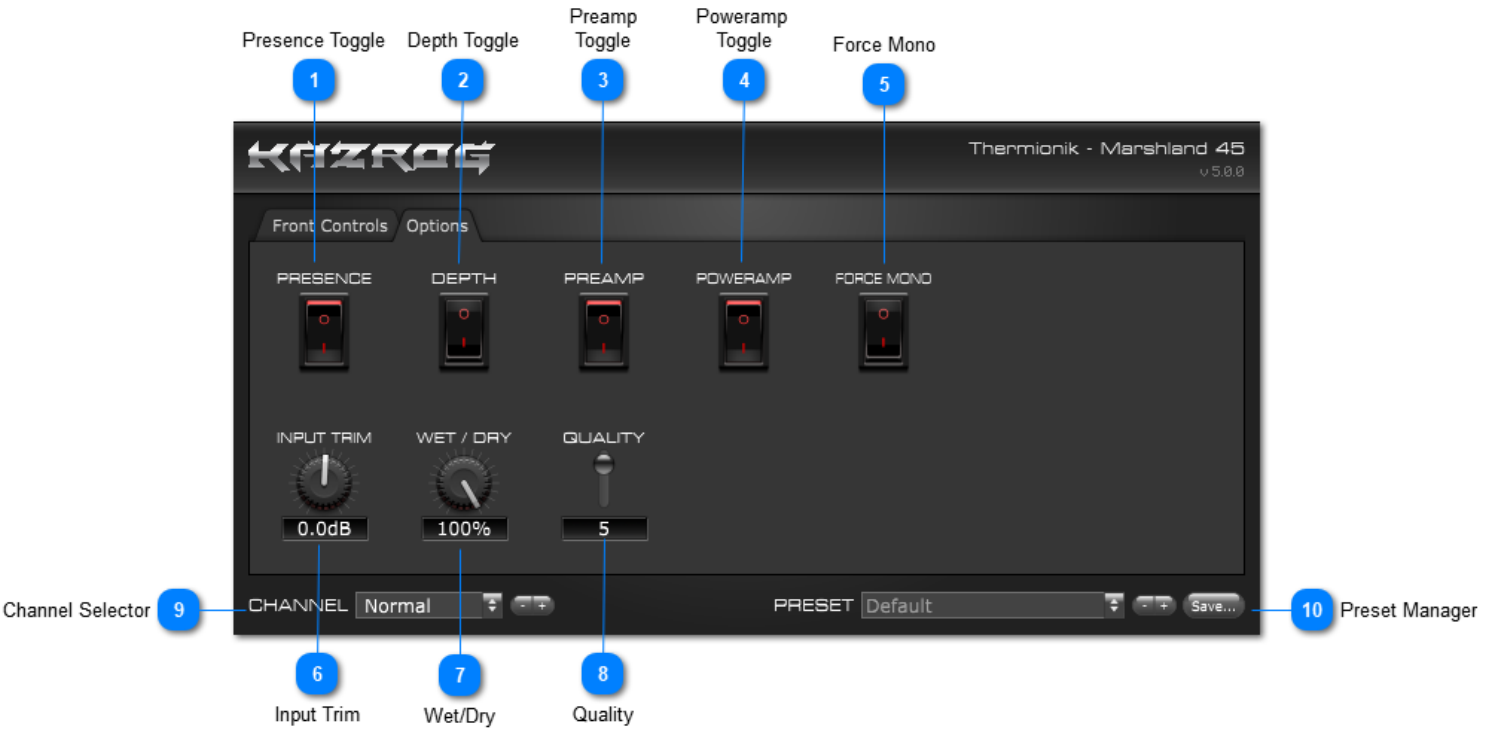
9 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

10 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.14.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 **Channel Selector**

Selects the current amp channel to be emulated on multi-channel amps.

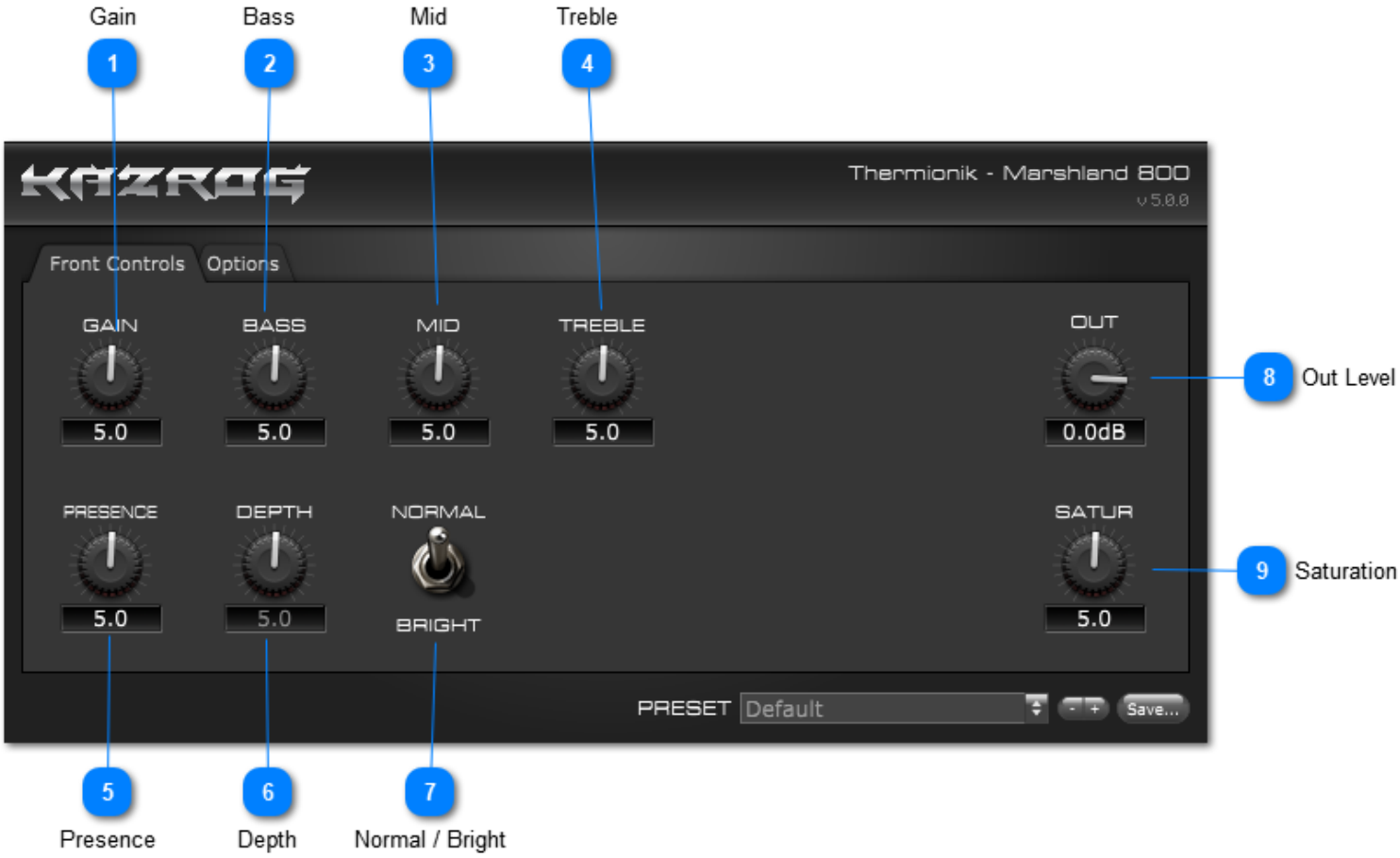
10 **Preset Manager**

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.3.15. Thermionik - Marshland 800

This amp emulation is based on the Marshall JCM800 head. This is a classic amp used on many records of the 1980s and 1990s, known for its mid focused, British high gain sound.

1.3.15.1. Front Controls



1 **Gain**

Controls the amount of preamp gain desired.

2 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

3 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

5 **Presence**

Adusts the high end presence in the poweramp.

6 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

7 **Normal / Bright**

Toggles the preamp character between normal (exact hardware emulation) and bright mode. This can be used to brighten the sound of a normally dark setting.

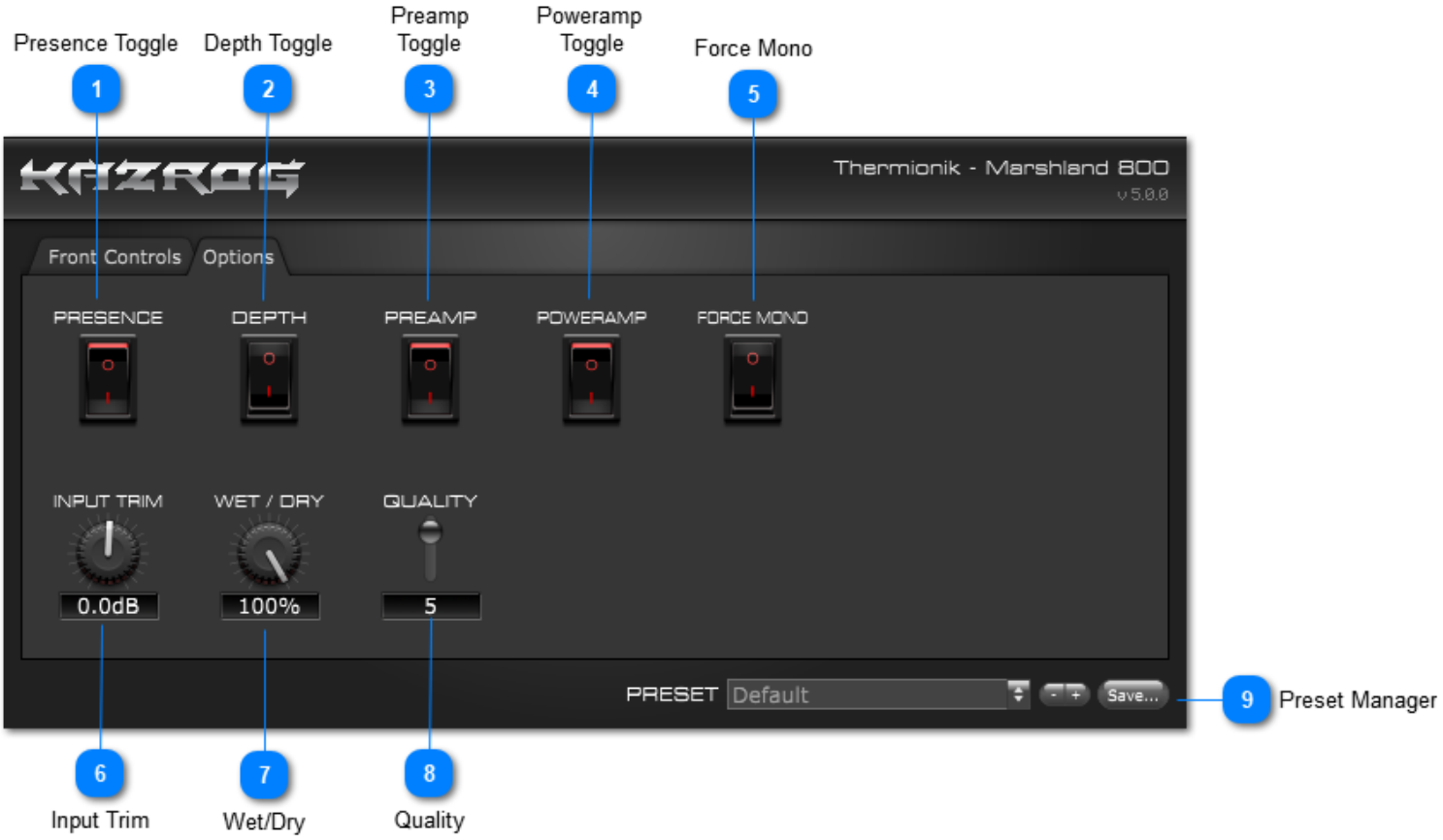
8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.15.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 Preset Manager

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

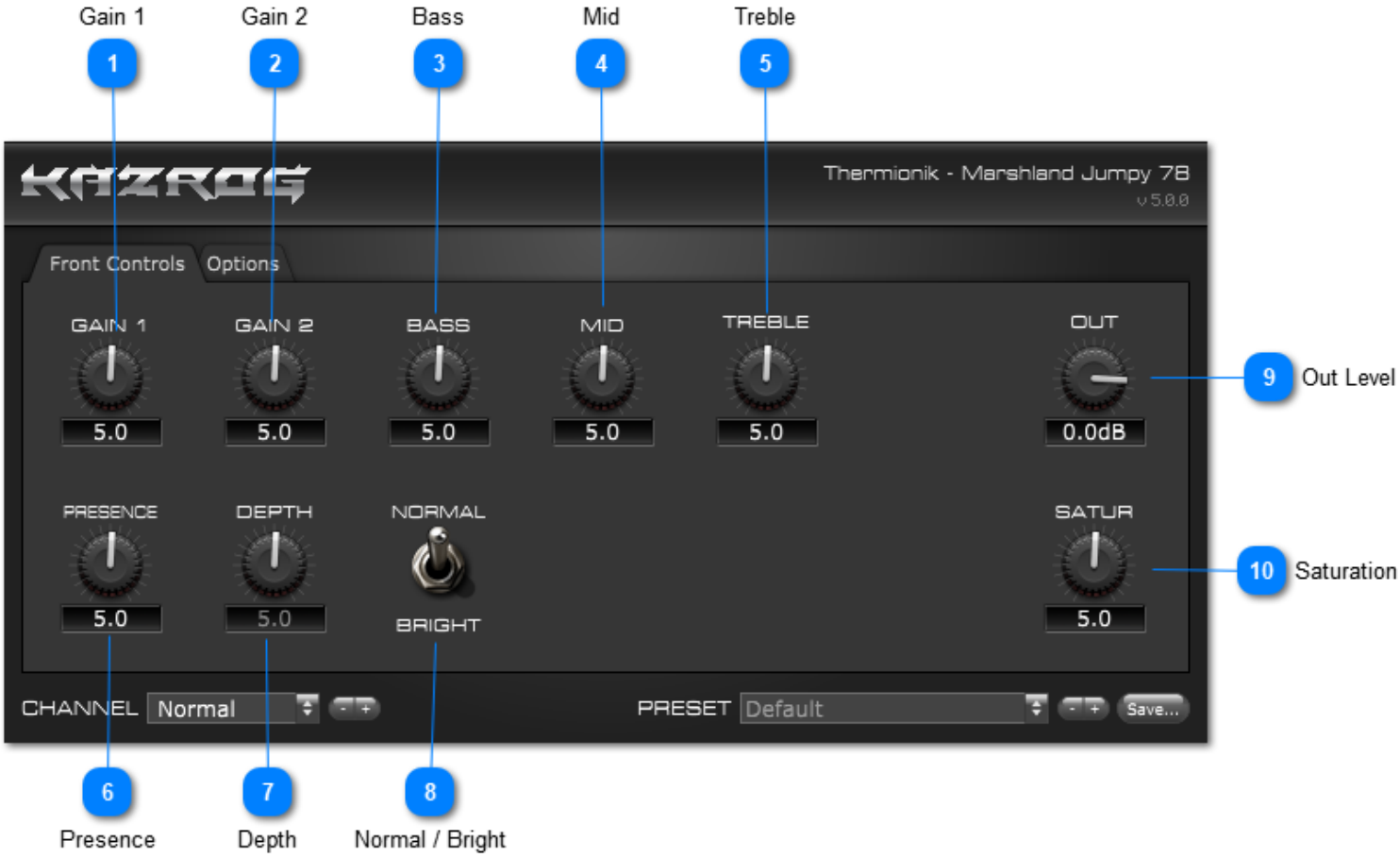
1.3.16. Thermionik - Marshland Jumpy78

This amp emulation is based on a 1978 Marshall JMP head, in stock configuration. This amp is like a more modern Plexi, and has a great classic rock and blues tone, that can be boosted to full on metal.

Channels:

1. **Normal** - A very bass-heavy sound, great for adding warmth and smoothness to an overly bright guitar.
2. **High** - A more balanced, present tone.
3. **Jump** - An emulation of the popular "jumpered" sound using the patch bay on the front of the real amp. This mixes channels 1 and 2. Adjust the gain of each to create the ultimate sonic hybrid.

1.3.16.1. Front Controls



1 Gain 1

Controls the amount of overdrive into the Normal channel.

2 Gain 2

Controls the amount of overdrive into the High channel.

3 Bass

Adjusts the proportion and slope of bass frequency content in the preamp.

4 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

5 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

6 **Presence**

Adusts the high end presence in the poweramp.

7 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

8 **Normal / Bright**

Toggles the preamp character between normal (exact hardware emulation) and bright mode. This can be used to brighten the sound of a normally dark setting.

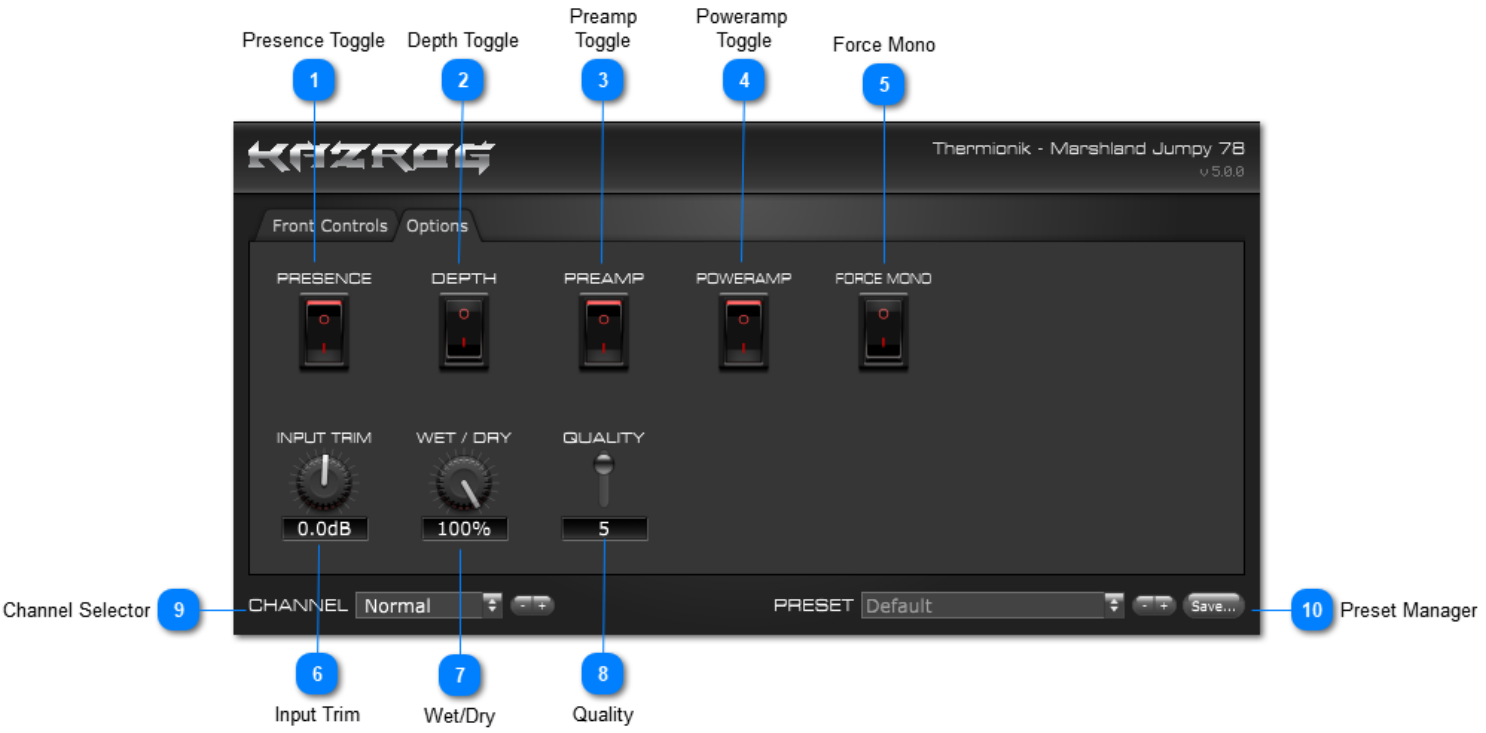
9 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

10 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.16.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 **Channel Selector**

Selects the current amp channel to be emulated on multi-channel amps.

10 **Preset Manager**

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

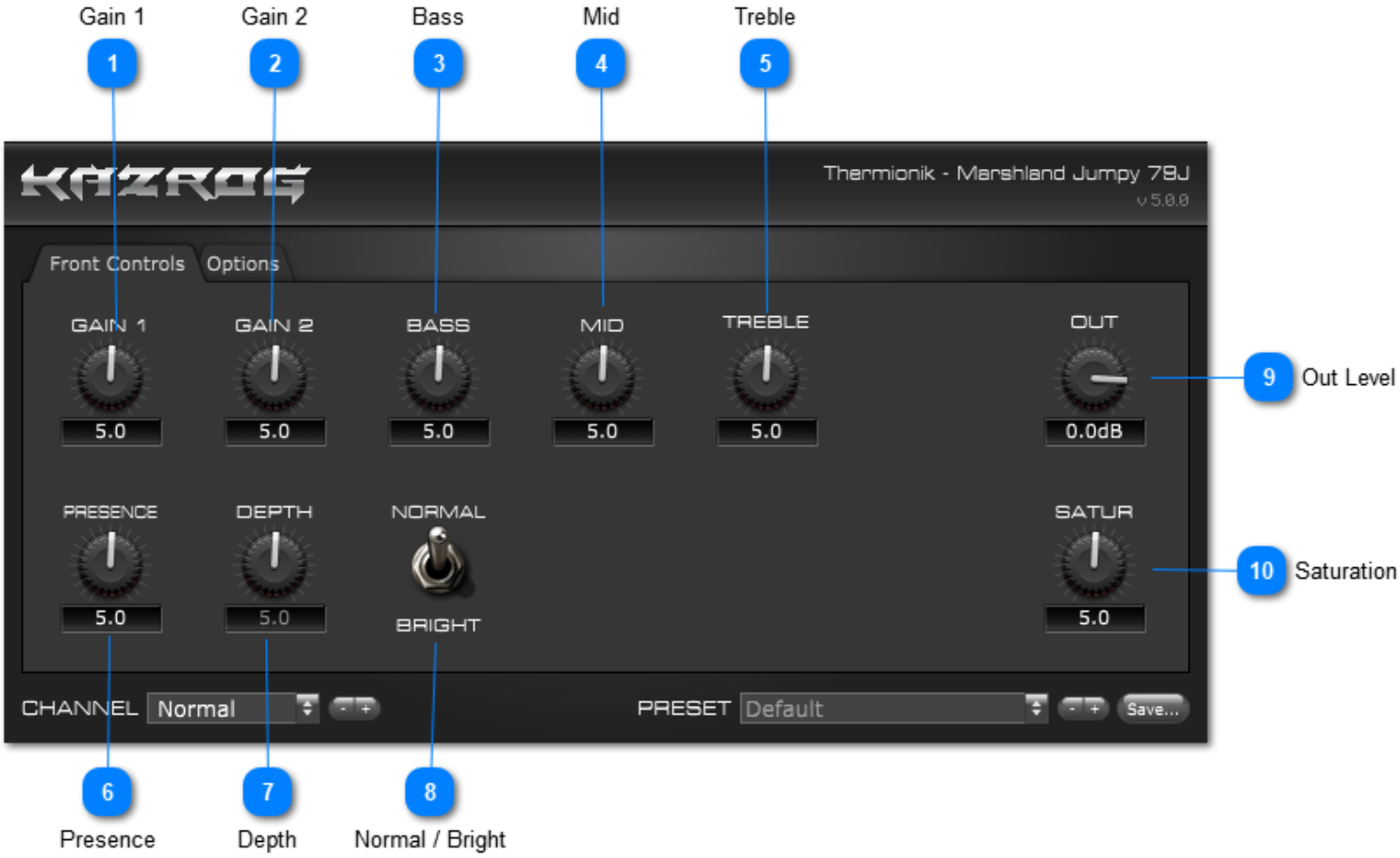
1.3.17. Thermionik - Marshland Jumpy79J

This amp emulation is based on a 1979 Marshall JMP head, custom modded by the late, great amp guru Jose Arredondo. This is a decidedly more aggressive take on the classic JMP sound.

Channels:

1. **Normal** - A saturated, deep tone, great for adding warmth and girth.
2. **High** - A more balanced, present tone.
3. **Jump** - An emulation of the popular "jumpered" sound using the patch bay on the front of the real amp. This mixes channels 1 and 2. Adjust the gain of each to create the ultimate sonic hybrid.

1.3.17.1. Front Controls



1 **Gain 1**

Controls the amount of overdrive into the Normal channel.

2 **Gain 2**

Controls the amount of overdrive into the High channel.

3 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

4 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

5 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

6 **Presence**

Adusts the high end presence in the poweramp.

7 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

8 **Normal / Bright**

Toggles the preamp character between normal (exact hardware emulation) and bright mode. This can be used to brighten the sound of a normally dark setting.

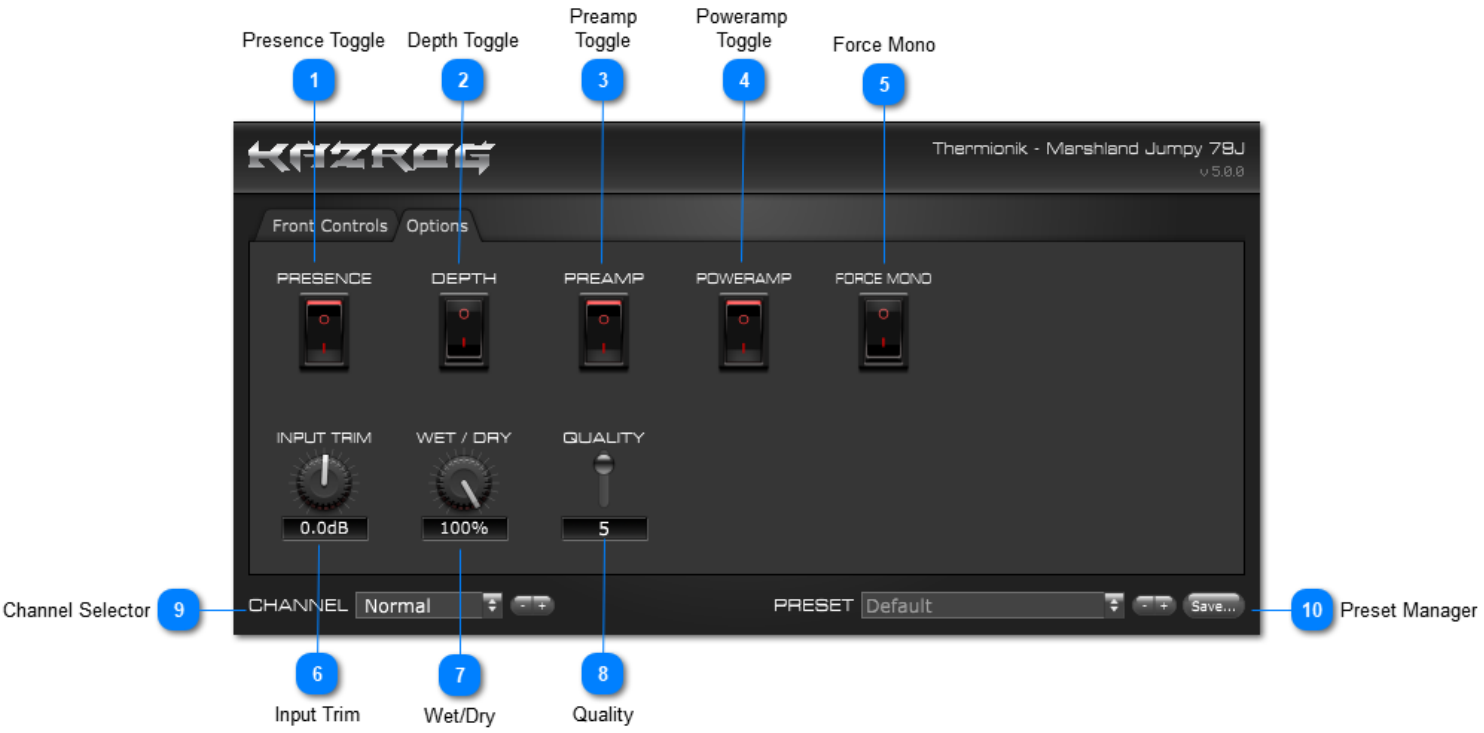
9 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

10 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.17.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 **Channel Selector**

Selects the current amp channel to be emulated on multi-channel amps.

10 **Preset Manager**

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

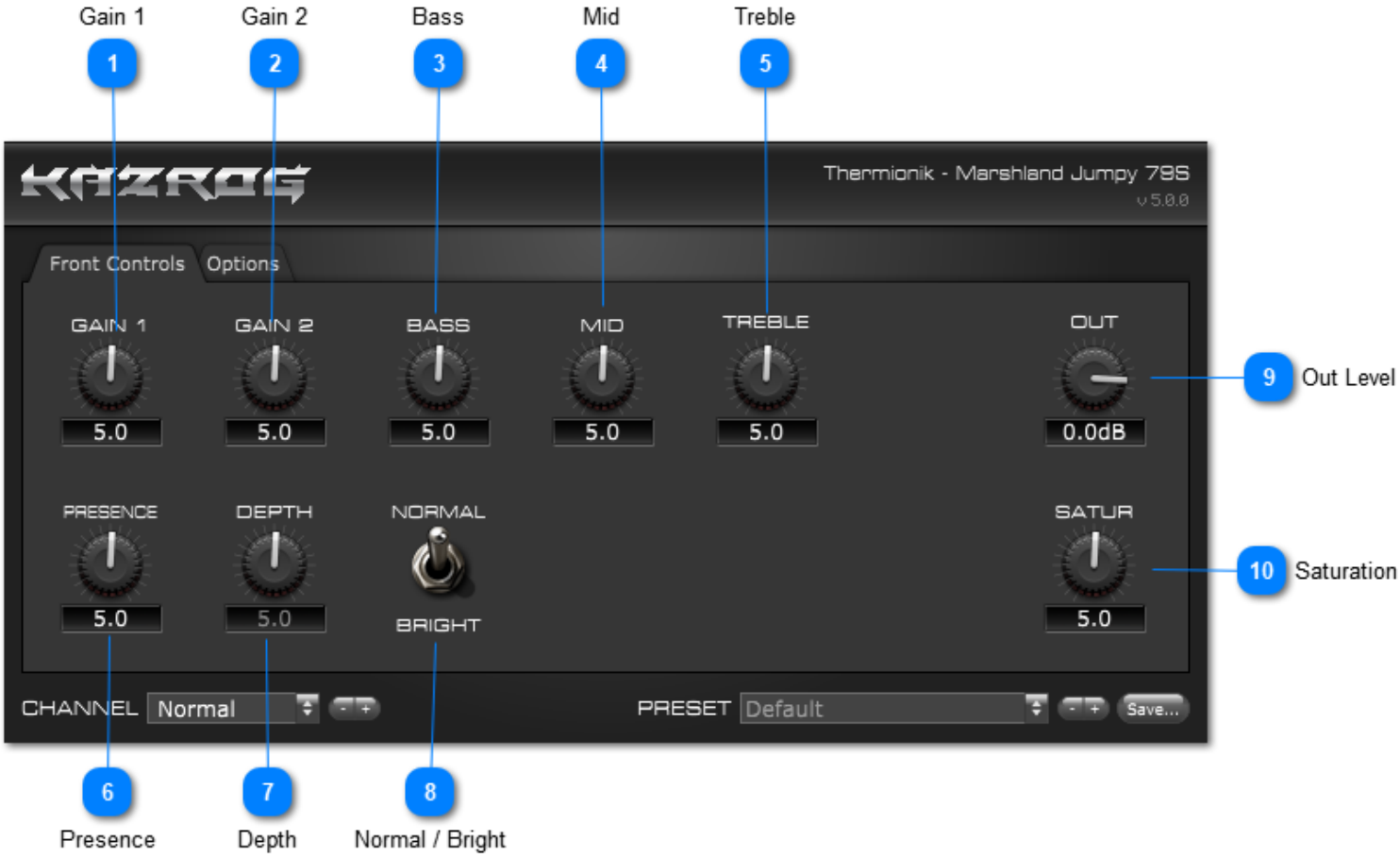
1.3.18. Thermionik - Marshland Jumpy79S

This amp emulation is based on a 1979 Marshall JMP head, custom modded by Mike Soldano of Soldano Amplification. This is a more modern variation of the classic JMP sound.

Channels:

1. **Normal** - A saturated, deep tone, great for adding warmth and girth.
2. **High** - A more balanced, present tone.
3. **Jump** - An emulation of the popular "jumpered" sound using the patch bay on the front of the real amp. This mixes channels 1 and 2. Adjust the gain of each to create the ultimate sonic hybrid.

1.3.18.1. Front Controls



1 Gain 1

Controls the amount of overdrive into the Normal channel.

2 Gain 2

Controls the amount of overdrive into the High channel.

3 Bass

Adjusts the proportion and slope of bass frequency content in the preamp.

4 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

5 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

6 **Presence**

Adusts the high end presence in the poweramp.

7 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

8 **Normal / Bright**

Toggles the preamp character between normal (exact hardware emulation) and bright mode. This can be used to brighten the sound of a normally dark setting.

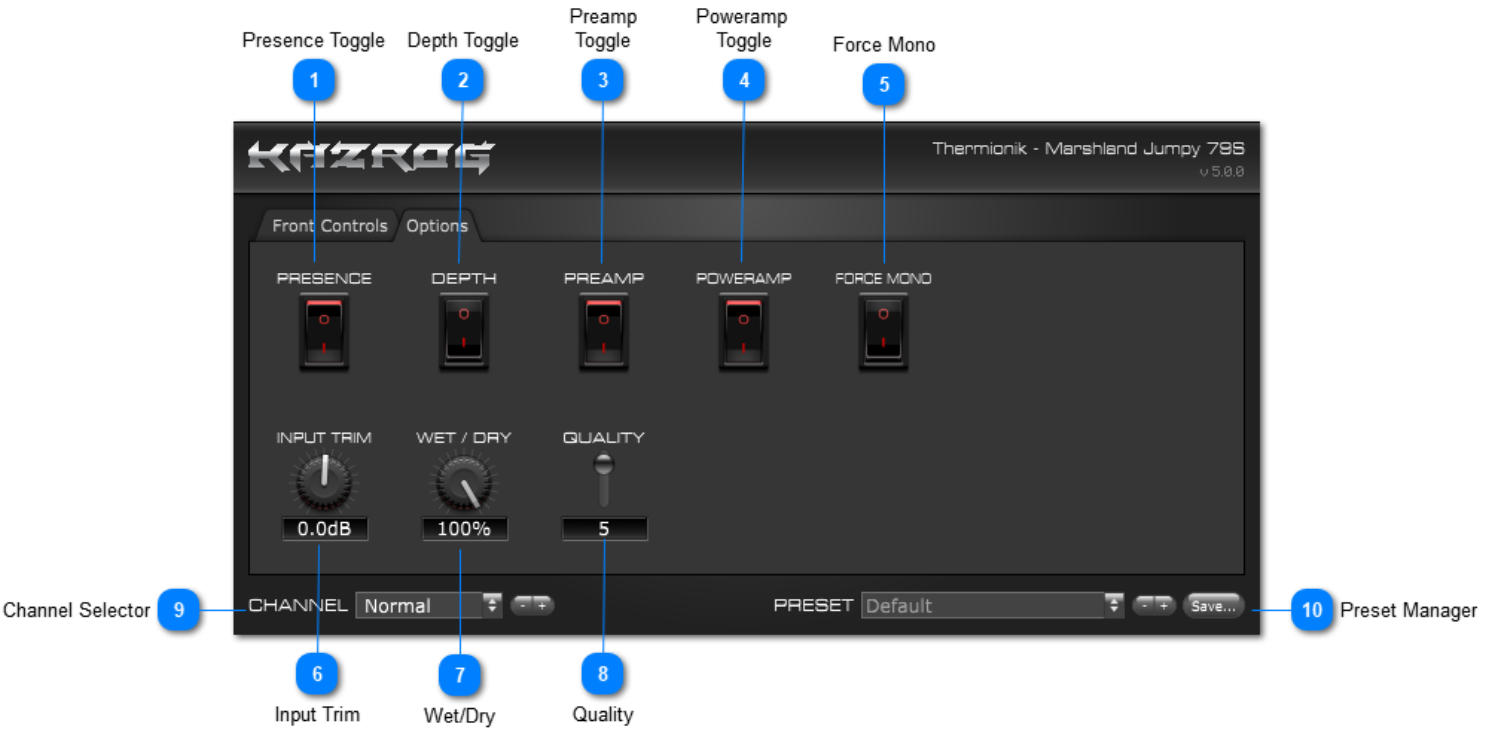
9 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

10 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.18.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 **Channel Selector**

Selects the current amp channel to be emulated on multi-channel amps.

10 **Preset Manager**

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.3.19. Thermionik - Ogre Excess

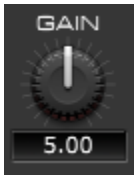
This amp emulation is based on the Bogner Ecstasy (XTC) head. This is one of the most sought after boutique modern high gain amps, and is known for its extreme versatility. This model has the most controls of any amp in the Thermionik collection - and they cover a lot of ground. You really can use this model for any style of music.

Channels:

1. **Clean** - Vintage British style clean tone.
2. **Crunch** - The famous crunch channel, can take you from country to full on blues just by playing your guitar dynamically.
3. **Lead** - Saturated, British style high gain.

1.3.19.1. Front Controls

1 Gain



Controls the amount of preamp gain desired.

2 Bass

Adjusts the proportion and slope of bass frequency content in the preamp.

3 Mid

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

5 **Presence**

Adusts the high end presence in the poweramp.

6 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

7 **Structure**

Toggles the preamp character between vintage (V) and modern (M) styles.

8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

10 **Pre EQ**

First in the signal chain of the amp - this changes the pick attack character of the amp significantly.

11 **Boost**

Boosts the amount of gain. Useful for compensating for low output pickups, or for pushing the amp into full on deathmetal territory on the Lead channel.

12 **Variac**

Variac decreases the headroom of the power amp for a more saturated distortion tone.

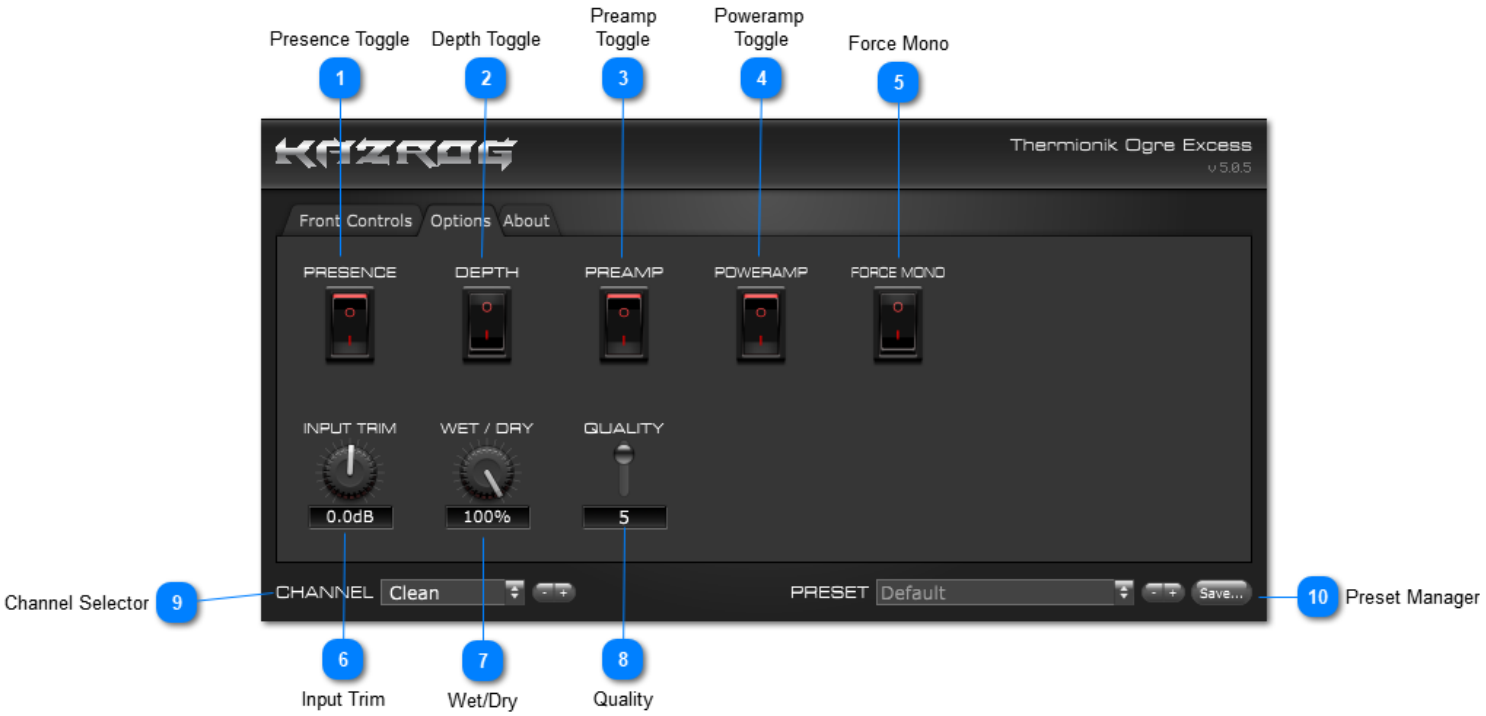
13 **Plexi**

Activates a Plexi style voicing on the Clean and Crunch channels, for an even more British inspired tone. Still, it sounds quite different from an actual Plexi, or the Plexi model in Thermionik. A useful voicing nonetheless!

14 **Excursion**

Adjusts the amount of power amp excursion. Turn all the way up to get some serious low end rumble on muted notes. Turn all the way down for more articulate sounds.

1.3.19.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 **Channel Selector**

Selects the current amp channel to be emulated on multi-channel amps.

10 **Preset Manager**

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.3.20. Thermionik - OgreTuber

This amp emulation is based on the Bogner Uberschall head. This is one of the most sought after boutique modern high gain amps, and is known for its massive, thunderous yet articulate sound.

Channels:

1. **Clean** - Vintage British style clean tone.
2. **Crunch** - There is no crunch channel on a real Uberschall. This is what one might sound like if it existed. :)
3. **Lead** - Saturated, bass heavy high gain metal mayhem.

1.3.20.1. Front Controls

1 Gain

Controls the amount of preamp gain desired.

2 Bass

Adjusts the proportion and slope of bass frequency content in the preamp.

3 Mid

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

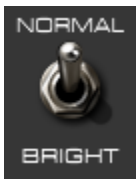
5 **Presence**

Adusts the high end presence in the poweramp.

6 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

7 **Normal / Bright**



Toggles the preamp character between normal and bright mode.

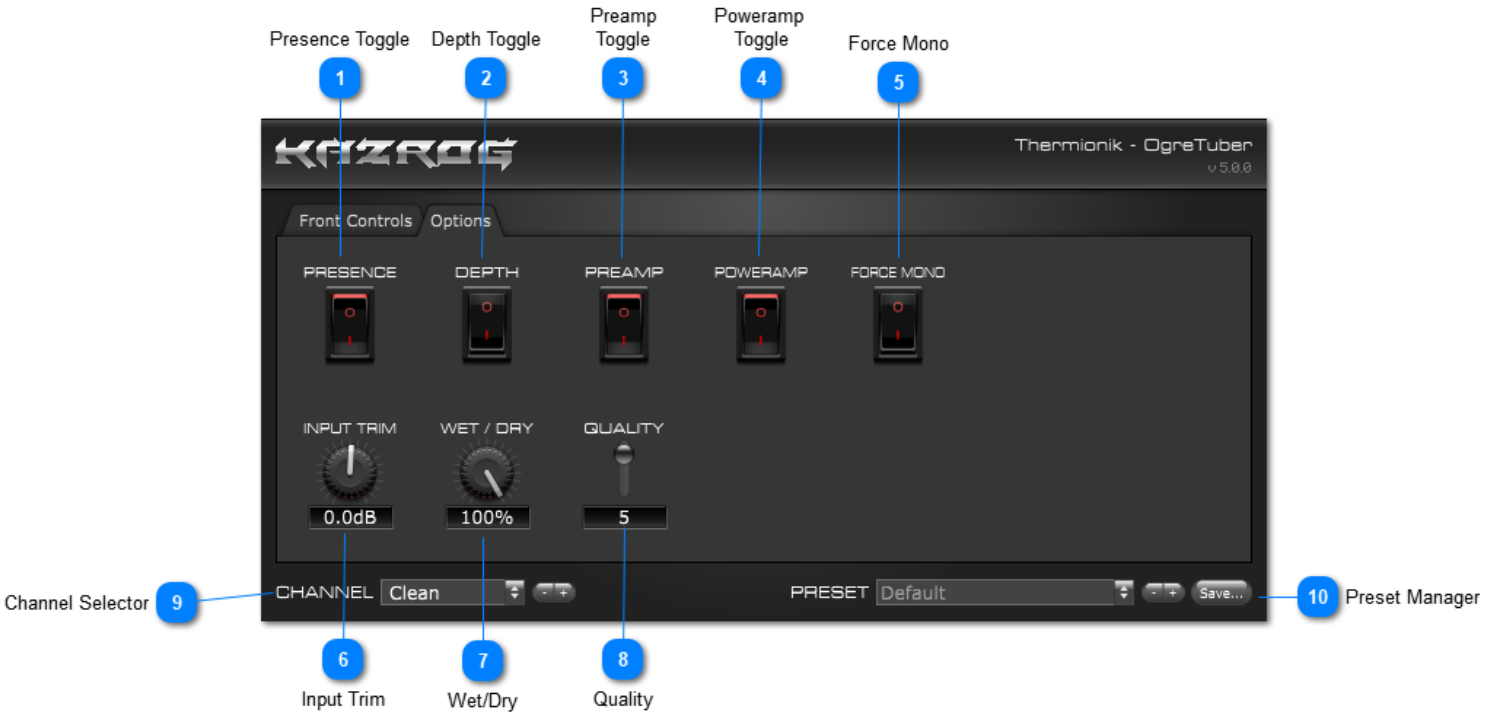
8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.20.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 Channel Selector

Selects the current amp channel to be emulated on multi-channel amps.

10 Preset Manager

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

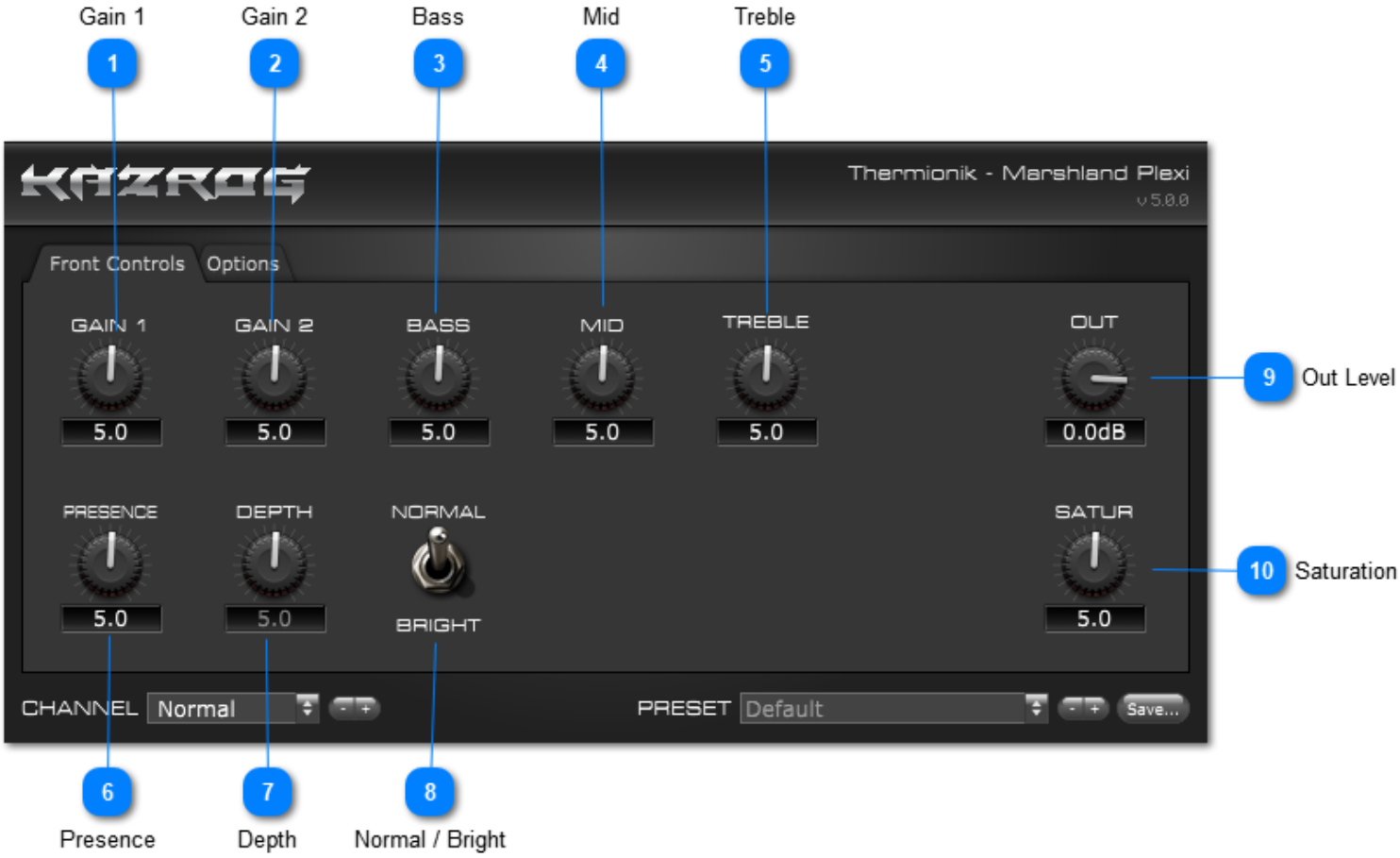
1.3.21. Thermionik - Plexi

This amp emulation is based on the famous Marshall Super Lead 1959 (model, not year) "Plexi." This is the original high gain amp, used on countless records from the late 1960s onwards.

Channels:

1. **Normal** - A very bass-heavy sound, great for adding warmth and smoothness to an overly bright guitar.
2. **High** - A more balanced, present tone.
3. **Jump** - An emulation of the popular "jumpered" sound using the patch bay on the front of the real amp. This mixes channels 1 and 2. Adjust the gain of each to create the ultimate sonic hybrid.

1.3.21.1. Front Controls



1 Gain 1

Controls the amount of overdrive into the Normal channel.

2 Gain 2

Controls the amount of overdrive into the High channel.

3 Bass

Adjusts the proportion and slope of bass frequency content in the preamp.

4 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

5 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

6 **Presence**

Adusts the high end presence in the poweramp.

7 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

8 **Normal / Bright**

Toggles the preamp character between normal (exact hardware emulation) and bright mode. This can be used to brighten the sound of a normally dark setting.

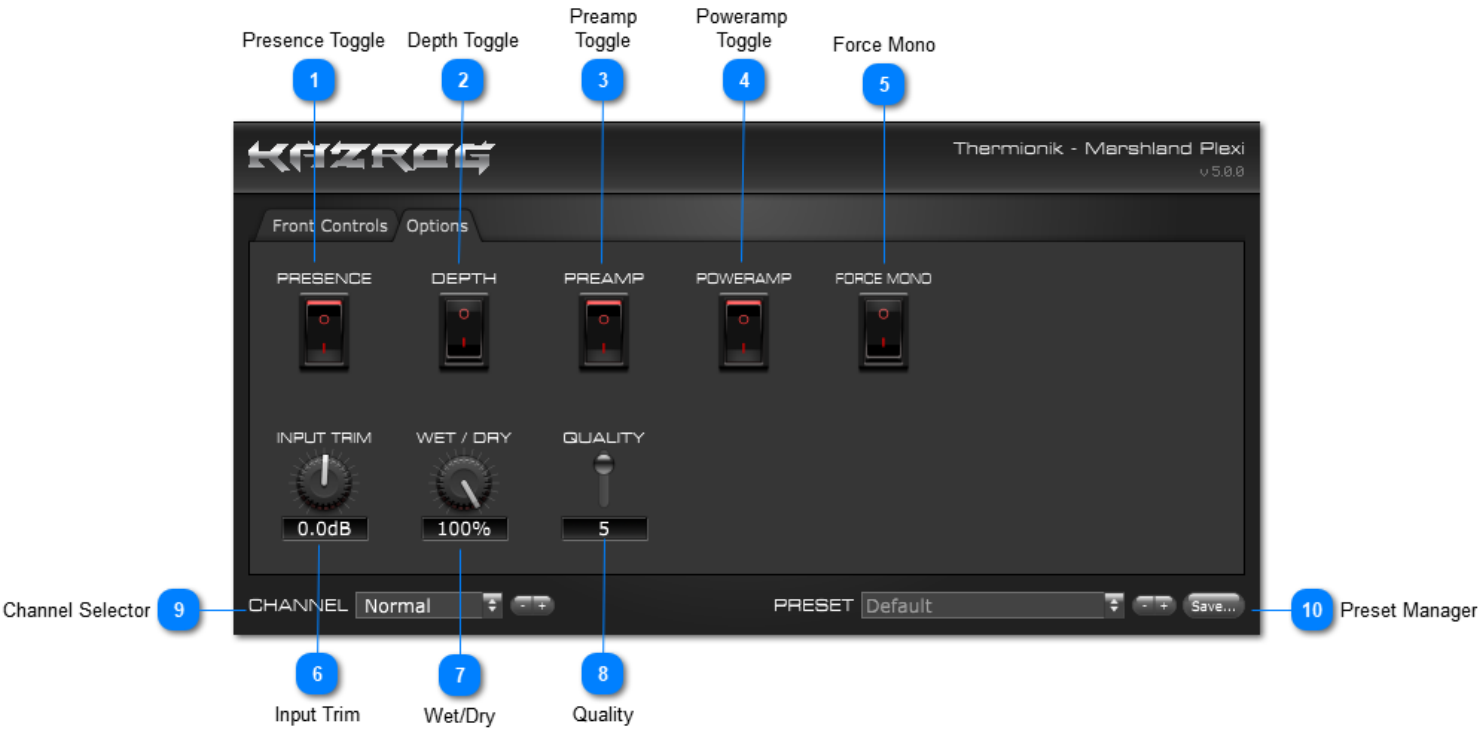
9 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

10 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.21.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 **Channel Selector**

Selects the current amp channel to be emulated on multi-channel amps.

10 **Preset Manager**

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.3.22. Thermionik - Psycho A

This amp emulation is based on the legendary Peavey 5150 head (specifically, the original "block letter" version.) This is the de facto standard in modern high gain amps, used on virtually all modern extreme metal records (either on its own, or blended with other amps.)

Channels:

1. **Clean** - A very basic, no-frills clean (thankfully, the emulated version goes fully clean more easily than the real amp - on purpose.)
2. **Crunch** - A very versatile crunch sound that can also perform high gain very nicely.
3. **Lead** - The most famous of the 3 channels, used on countless records.

1.3.22.1. Front Controls

1 **Gain**

Controls the amount of preamp gain desired.

2 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

3 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

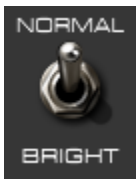
5 **Presence**

Adusts the high end presence in the poweramp.

6 **Depth**

Adjusts the low end depth in the poweramp. Known as "Resonance" on the real amp, this control does exactly the same thing.

7 **Normal / Bright**



Toggles the preamp character between normal and bright mode.

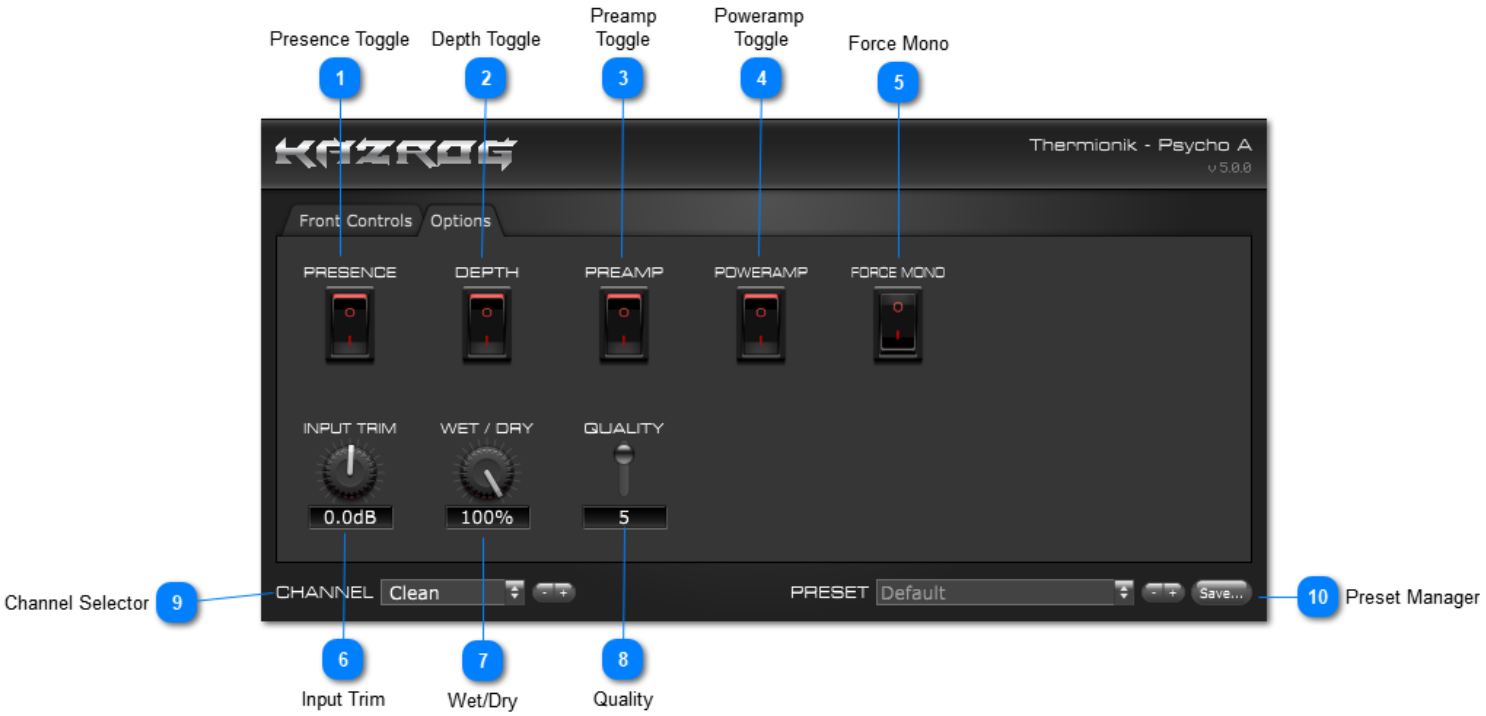
8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.22.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 Channel Selector

Selects the current amp channel to be emulated on multi-channel amps.

10 Preset Manager

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.3.23. Thermionik - Psycho B

This amp emulation is based on the Peavey 5150 II head, a more versatile take on the original with a more articulate lead channel and beefed up crunch channel. Like the original, this amp has seen tons of use both in the studio and live.

Channels:

1. **Clean** - A very basic, no-frills clean (thankfully, the emulated version goes fully clean more easily than the real amp - on purpose.)
2. **Crunch** - A very versatile crunch sound that can also act as an alternate voicing of the lead channel.
3. **Lead** - The most famous of the 3 channels, used on countless records.

1.3.23.1. Front Controls

1 **Gain**

Controls the amount of preamp gain desired.

2 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

3 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

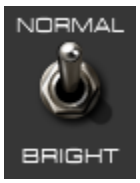
5 **Presence**

Adusts the high end presence in the poweramp.

6 **Depth**

Adjusts the low end depth in the poweramp. Known as "Resonance" on the real amp, this control does exactly the same thing.

7 **Normal / Bright**



Toggles the preamp character between normal and bright mode.

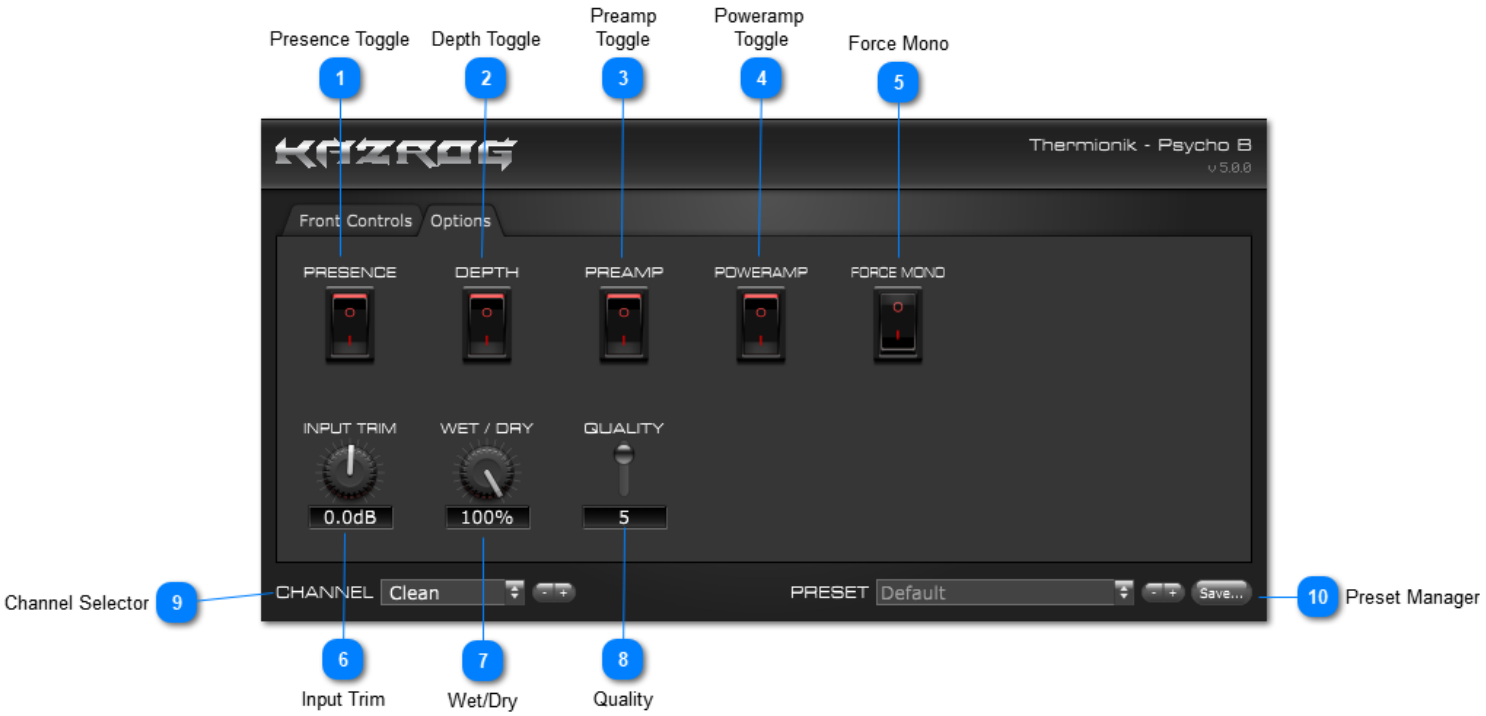
8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.23.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 Channel Selector

Selects the current amp channel to be emulated on multi-channel amps.

10 Preset Manager

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.3.24. Thermionik - Psycho C

This amp emulation is based on the Fender/EVH 5150 III head, the newest and most different amp of the series. This amp features a much better clean sound than the original, a very nice crunch sound, and an articulate lead channel that is becoming a modern staple in the studio and live.

Channels:

1. **Green - Clean:** A glassy, crystalline clean tone, ideal for the kind of clinical arpeggiated sounds found on metal records.
2. **Blue - Crunch:** A very versatile crunch sound with a lot of gain on tap when needed.
3. **Red - Lead:** Articulate high gain with incredibly fast pick attack response.

1.3.24.1. Front Controls

1 **Gain**

Controls the amount of preamp gain desired.

2 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

3 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

5 **Presence**

Adusts the high end presence in the poweramp.

6 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default, as the real amp lacks this control.

7 **Normal / Bright**

Toggles the preamp character between normal and bright mode.

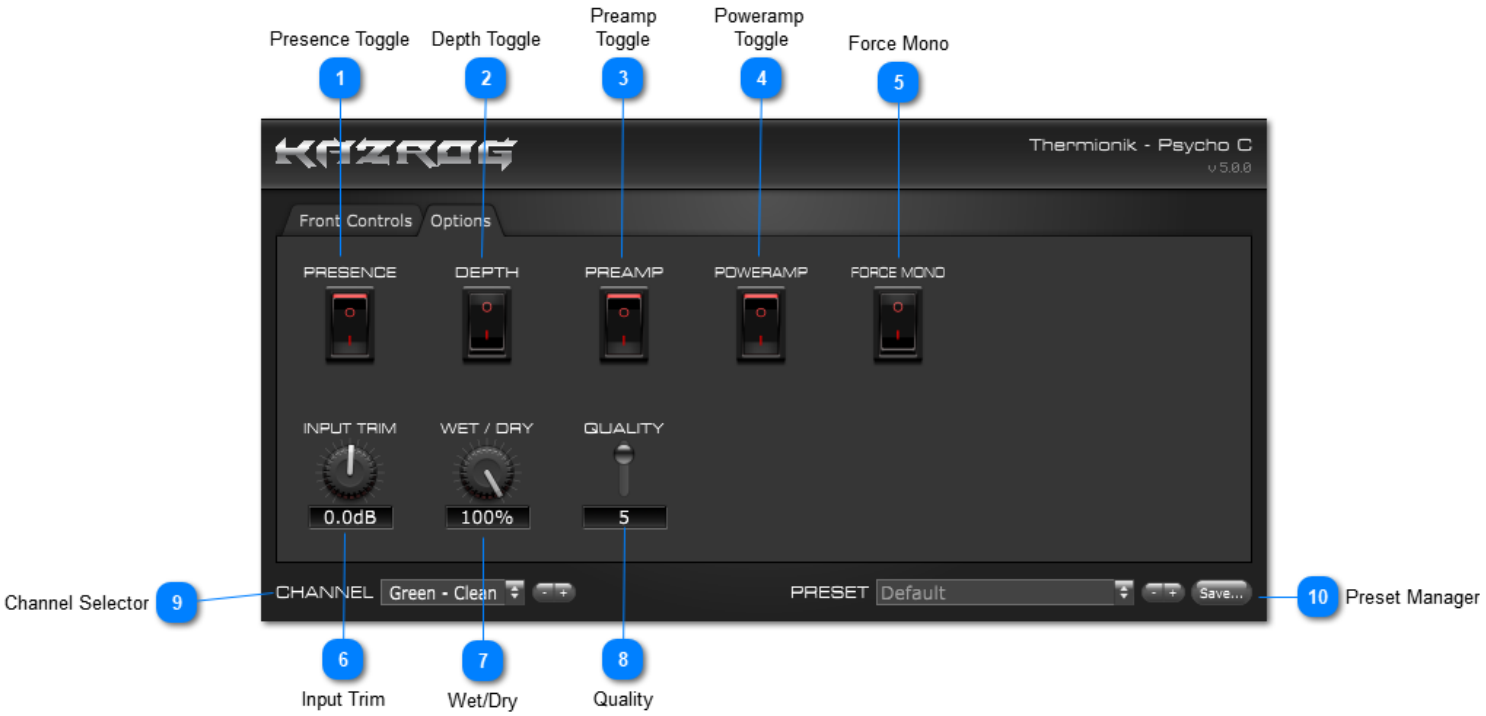
8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.24.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 Channel Selector

Selects the current amp channel to be emulated on multi-channel amps.

10 Preset Manager

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.3.25. Thermionik - Serpent

This amp emulation is based on the Framus Cobra head - an insanely underrated high gain beast. This boutique amp is truly a modern classic in the sense that those who know, know.

Channels:

1. **Clean** - Lush, saturated cleans.
2. **Crunch** - Crunch that can also go brutal very quickly.
3. **Lead** - Pure deathmetal. Incredibly fun to play through.

1.3.25.1. Front Controls

1 **Gain**

Controls the amount of preamp gain desired.

2 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

3 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

5 **Presence**

Adusts the high end presence in the poweramp.

6 **Depth**

Adjusts the low end depth in the poweramp.

7 **Normal / Bright**

Toggles the preamp character between normal and bright mode.

8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

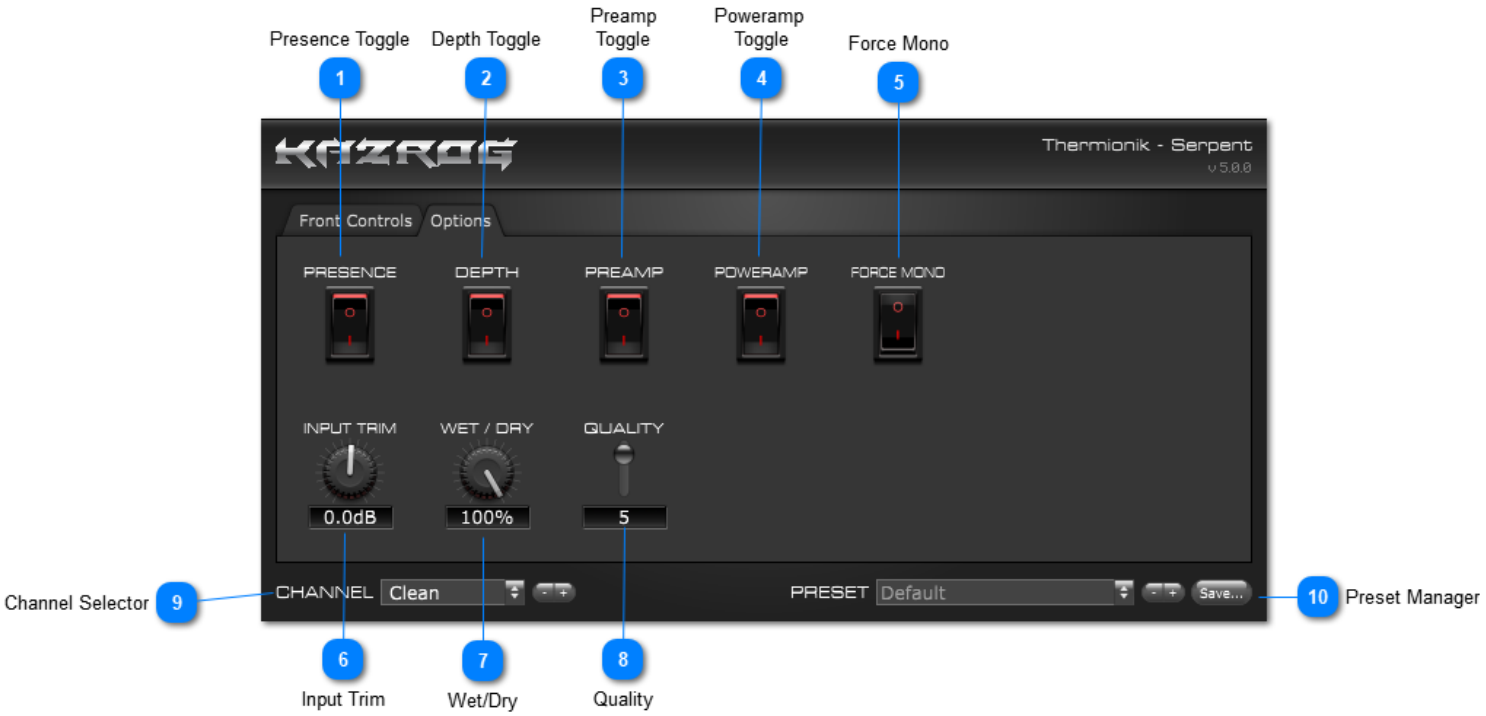
9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

10 **Notch**

No, not the guy who made Minecraft. This switch toggles in a scooped EQ voicing, useful for guttural sounds characteristic of modern deathmetal / deathcore bands.

1.3.25.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 **Channel Selector**

Selects the current amp channel to be emulated on multi-channel amps.

10 **Preset Manager**

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

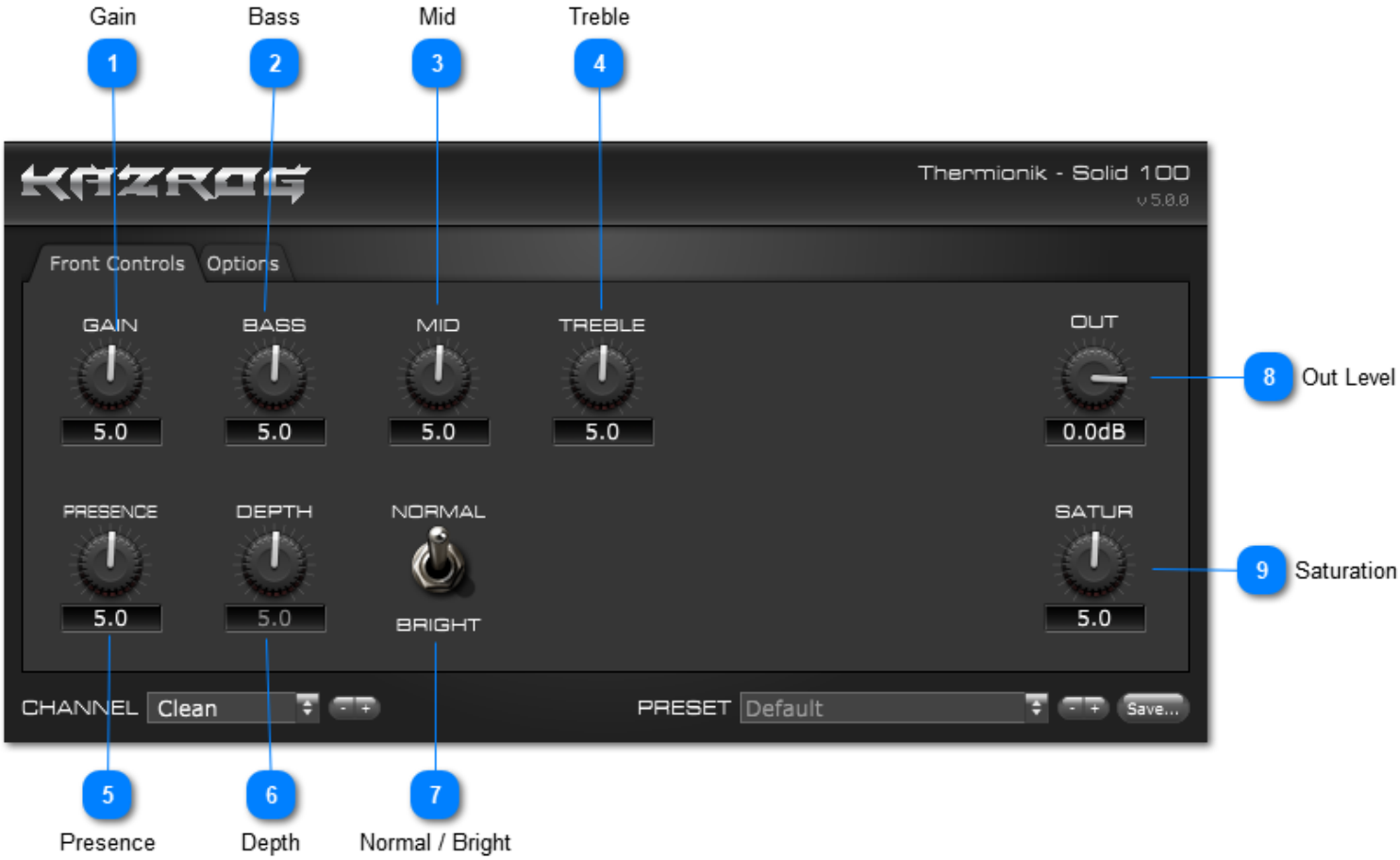
1.3.26. Thermionik - Solid 100

This amp emulation is based on the legendary Soldano SLO-100 head. The real amp ushered in a new era of modern high gain, and inspired many amps that came after it. Turn up the saturation for a wall of guitar tone that cuts through any mix.

Channels:

1. **Clean:** British-voiced cleans with a lot of headroom.
2. **Crunch:** A very versatile crunch sound with a lot of gain on tap when needed.
3. **Lead:** Ultra compressed high gain that raised the bar.

1.3.26.1. Front Controls



1 **Gain**

Controls the amount of preamp gain desired.

2 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

3 **Mid**

Adjusts the proportion and slope of mid frequency content in the preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

5 **Presence**

Adusts the high end presence in the poweramp.

6 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default, as the real amp lacks this control.

7 **Normal / Bright**

Toggles the preamp character between normal and bright mode.

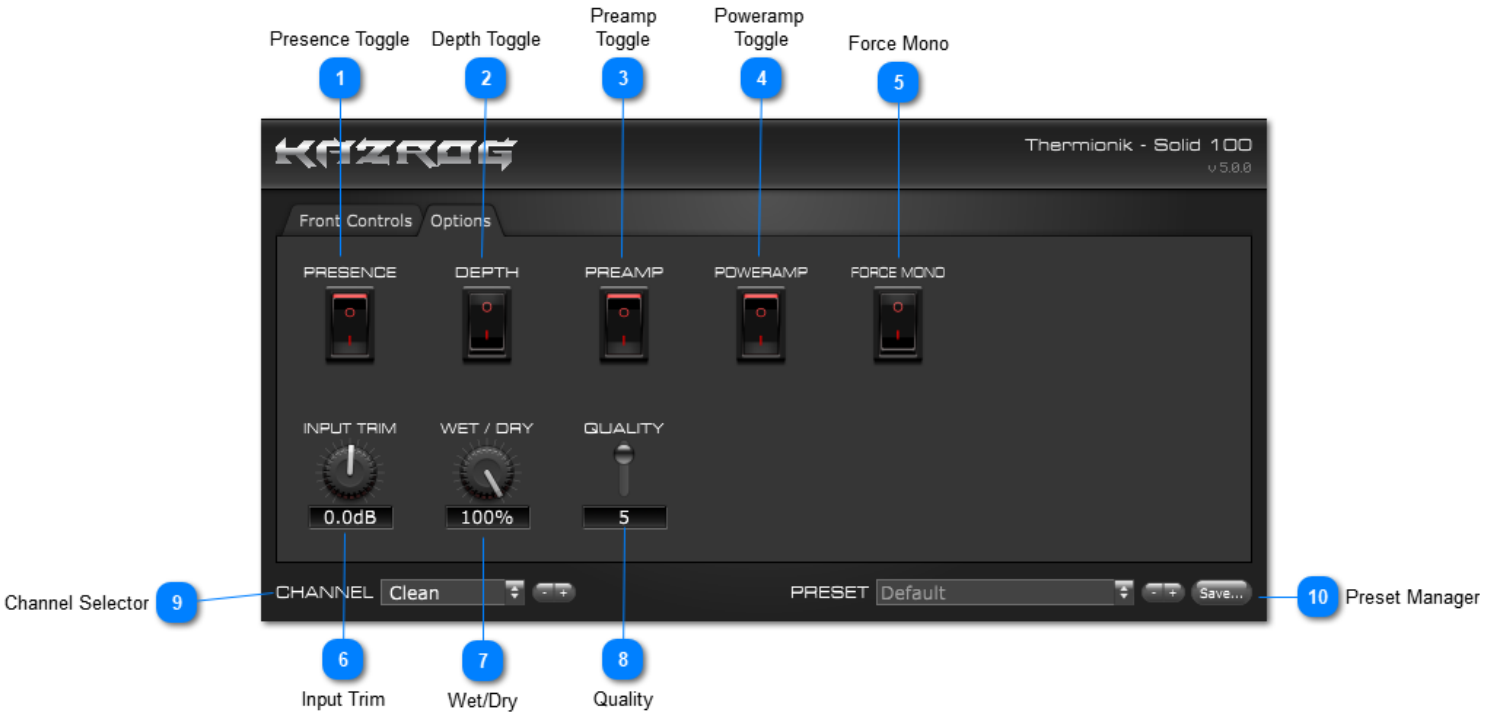
8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.26.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 **Channel Selector**

Selects the current amp channel to be emulated on multi-channel amps.

10 **Preset Manager**

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.3.27. Thermionik - Super 1690

This amp emulation is based on the Supro 1690T Coronado. This amp is known for its large overdriven sound in a small package.

1.3.27.1. Front Controls

1 Gain

Controls the amount of preamp gain desired.

2 Tone

Adjusts the proportion and slope of treble frequency content in the preamp.

3 Presence

Adusts the high end presence in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

4 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

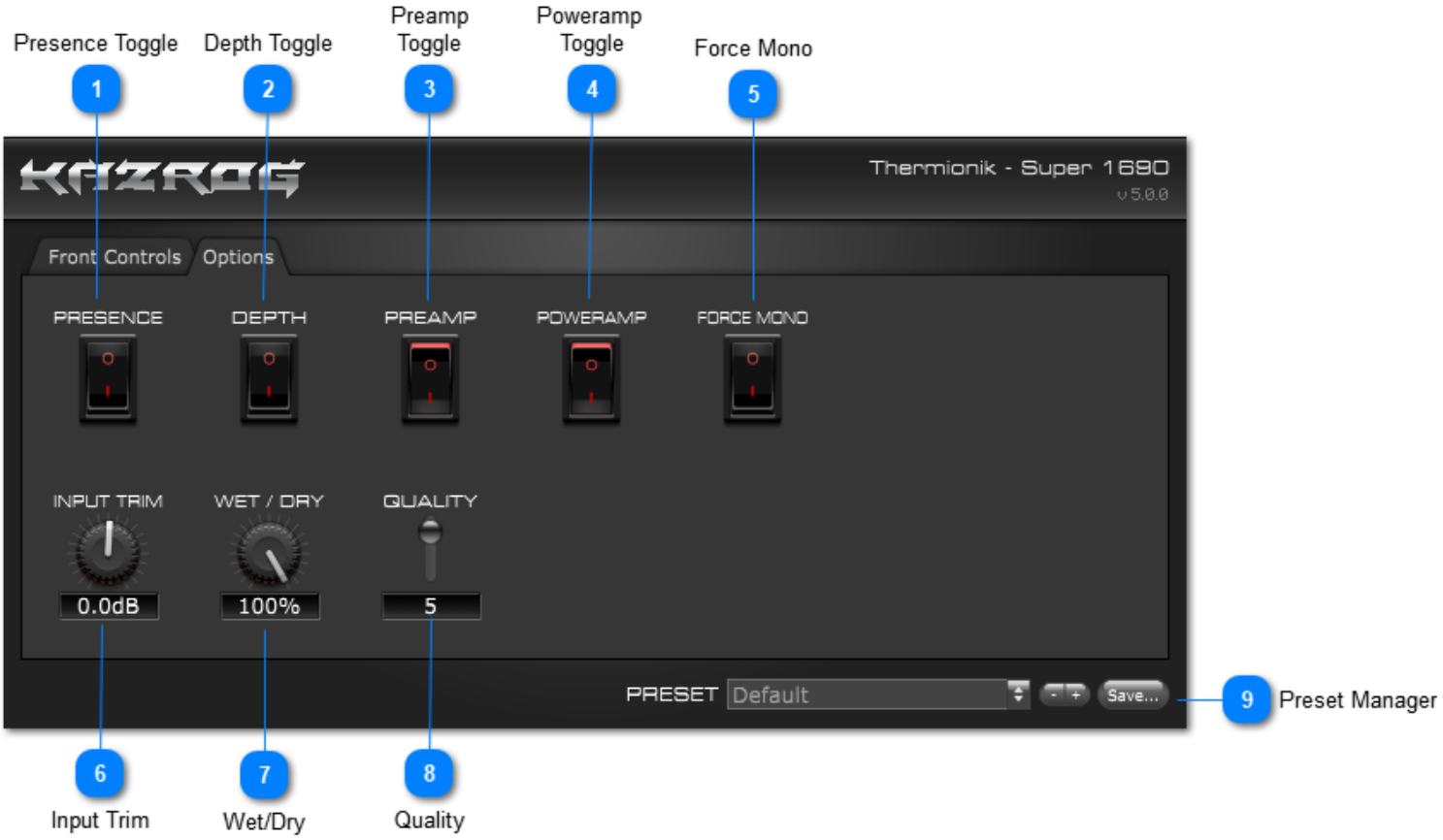
5 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

6 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.27.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 **Poweramp Toggle**

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 **Force Mono**

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 **Input Trim**

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 **Wet/Dry**

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 Preset Manager

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

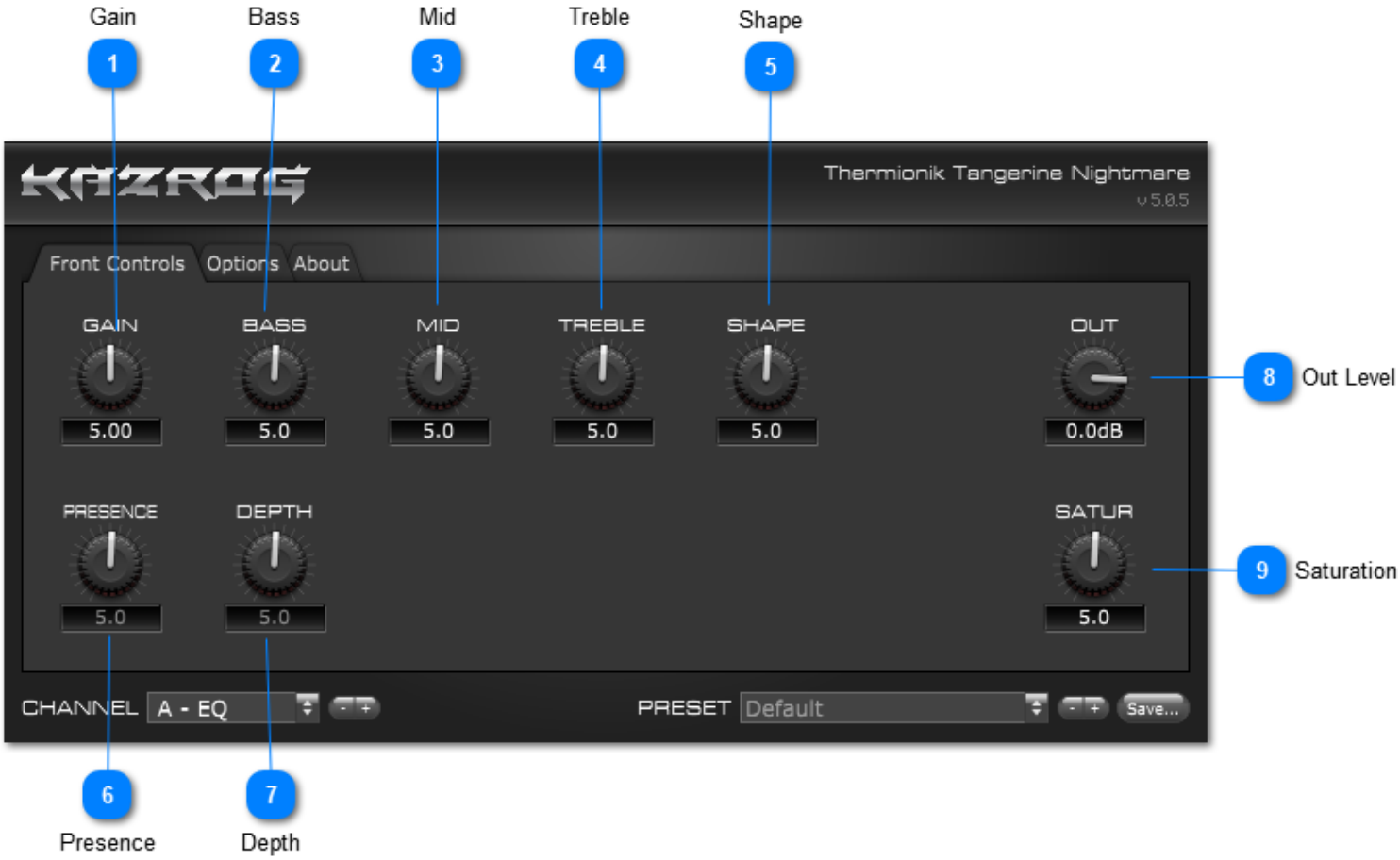
1.3.28. Thermionik - Tangerine Nightmare

This amp emulation is based on the Orange Dual Dark 100. This is a slightly strange high gain model that has a lot of low end, but can also achieve some Plexi style voicings with the right settings.

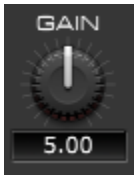
Channels:

1. **A-EQ:** Channel A uses the EQ controls (Bass, Mid, Treble) to adjust the preamp sound. This channel can go all the way from clean to high gain.
2. **B-Shape:** Channel B uses the Shape control instead of the EQ controls to adjust the preamp sound. The Shape goes from a very open and warm sound at low settings to a progressively more scooped sound at high settings. This channel can also go all the way from clean to high gain.

1.3.28.1. Front Controls



1 **Gain**



Controls the amount of preamp gain desired.

2 **Bass**

Adjusts the proportion and slope of bass frequency content in the Channel A preamp.

3 **Mid**

Adjusts the proportion and slope of mid frequency content in the Channel A preamp.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the Channel A preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

5 **Shape**

Used to shape the frequency response of Channel B. Goes from warm to scooped.

6 **Presence**

Adusts the high end presence in the poweramp. Disabled by default, as the real amp lacks this control.

7 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default, as the real amp lacks this control.

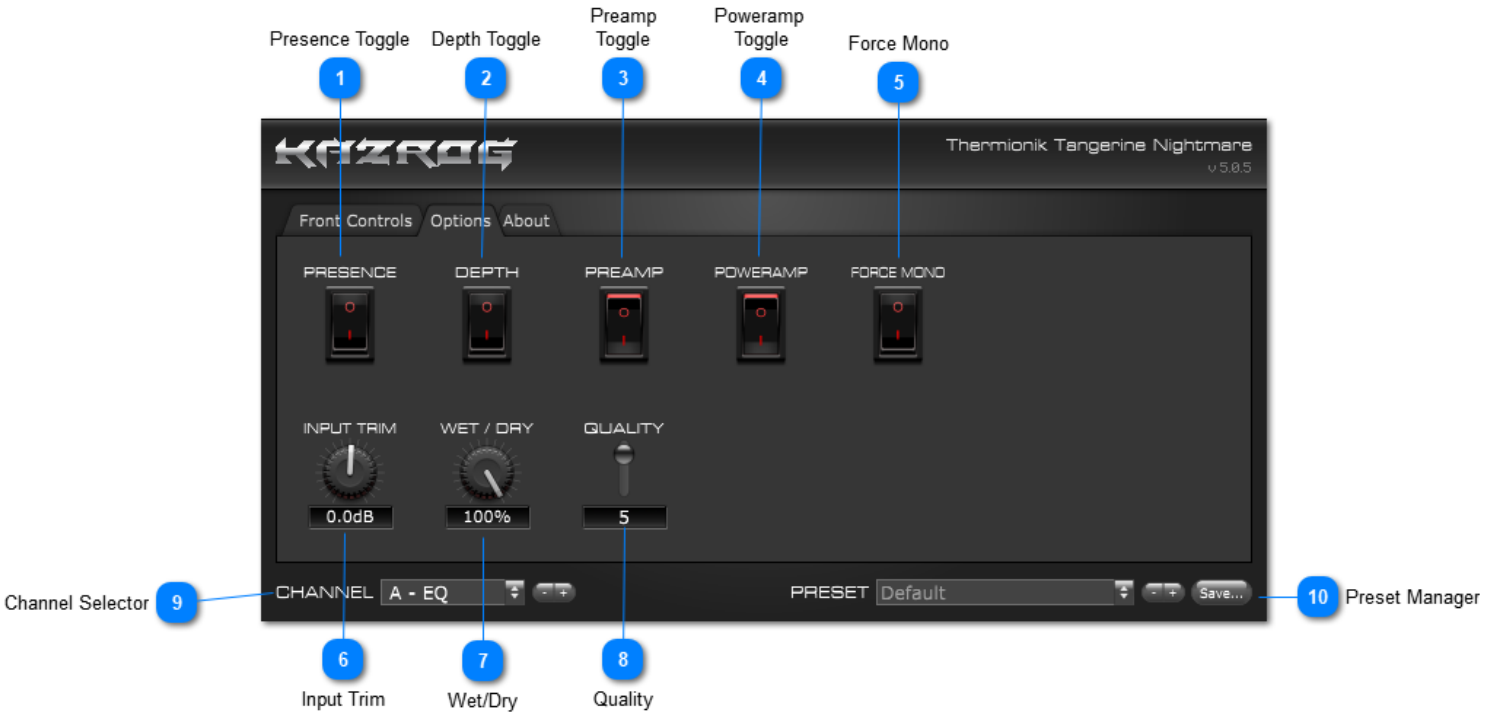
8 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

9 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.28.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 **Channel Selector**

Selects the current amp channel to be emulated on multi-channel amps.

10 **Preset Manager**

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.3.29. Thermionik - Vocal30

This amp emulation is based on the original Vox AC30. This amp is known for its large overdriven sound, and was a mainstay of the 1960s British invasion.

1.3.29.1. Front Controls

1 Gain

Controls the amount of preamp gain desired.

2 Tone

Adjusts the proportion and slope of treble frequency content in the preamp.

3 Presence

Adusts the high end presence in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

4 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

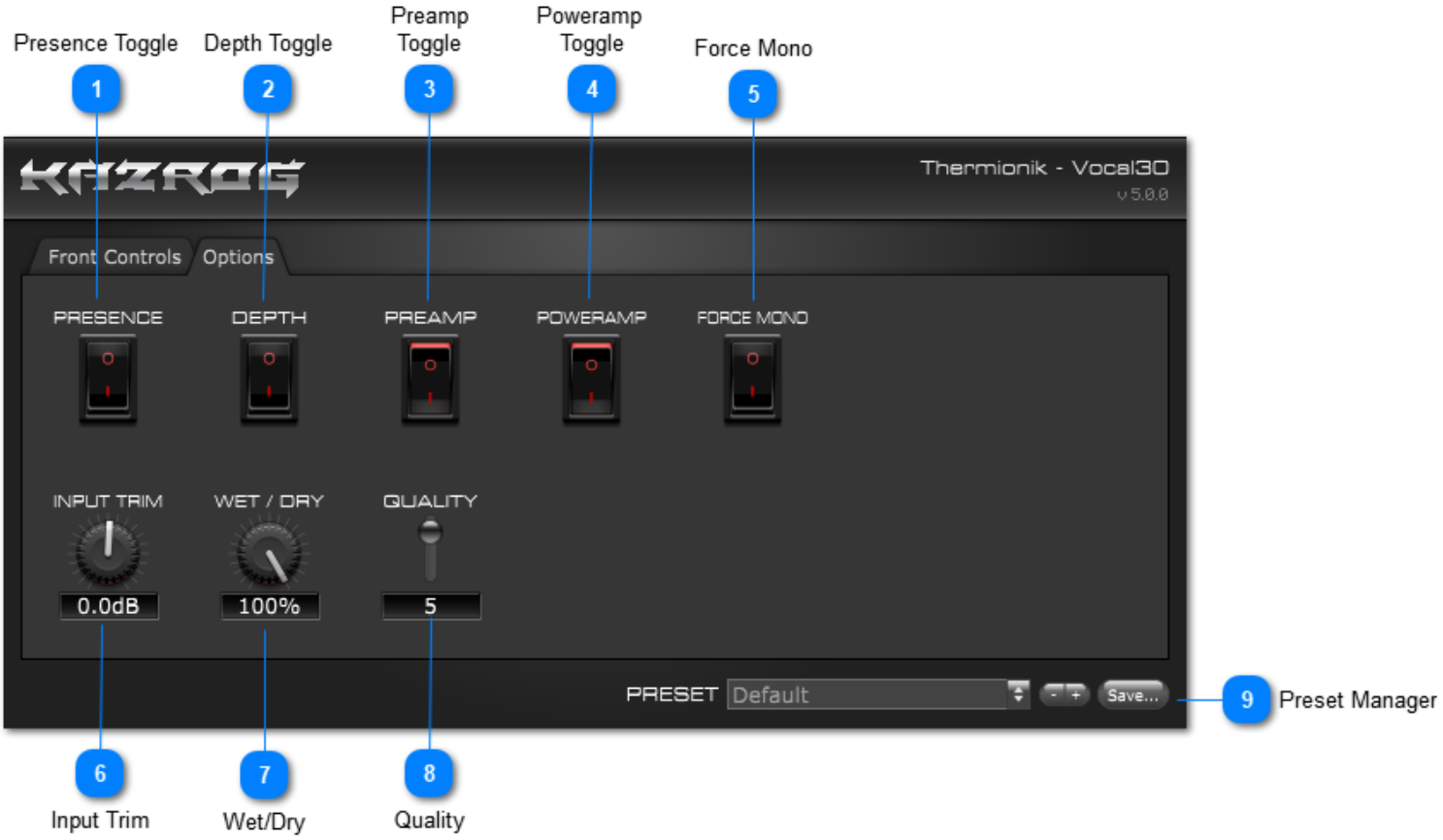
5 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

6 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.29.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 Poweramp Toggle

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

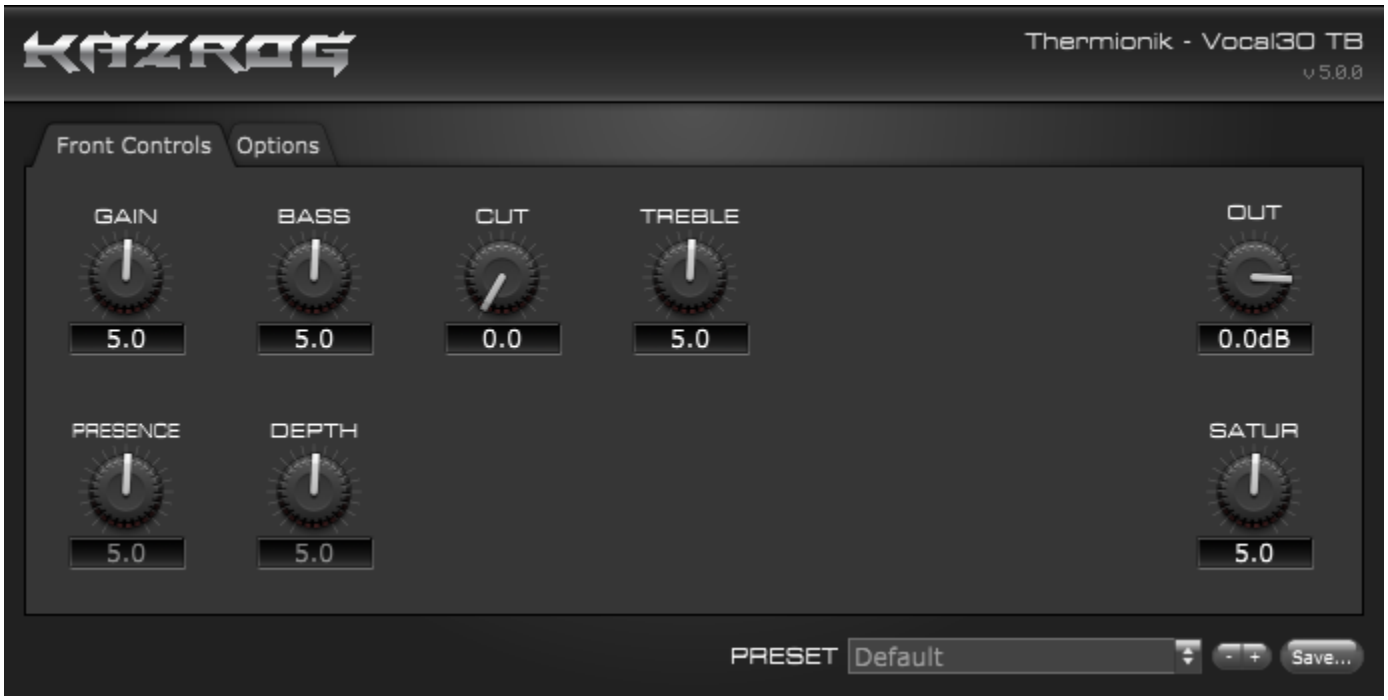
1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 Preset Manager

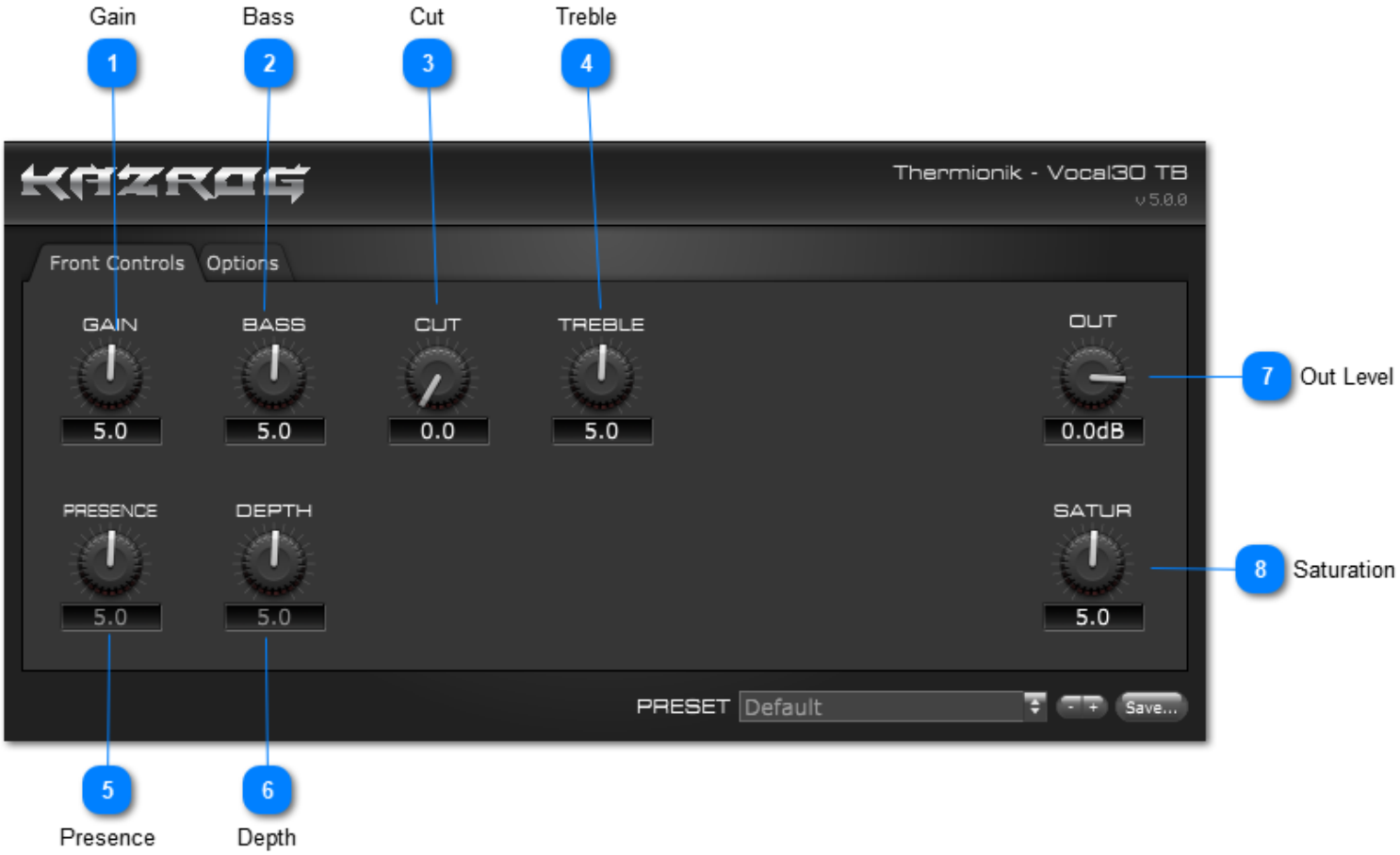
Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.3.30. Thermionik - Vocal30 TB

This amp emulation is based on the Vox AC30 (top boost model.) This amp is known for its bright overdriven sound and shimmering cleans, and was a mainstay of the 1960s British invasion.



1.3.30.1. Front Controls



1 **Gain**

Controls the amount of preamp gain desired.

2 **Bass**

Adjusts the proportion and slope of bass frequency content in the preamp.

3 **Cut**

Softens the high end frequency content as the dial is increased.

4 **Treble**

Adjusts the proportion and slope of treble frequency content in the preamp. This is the most powerful of the preamp EQ controls, with the most dramatic effect on overall tone.

5 **Presence**

Adusts the high end presence in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

6 **Depth**

Adjusts the low end depth in the poweramp. Disabled by default on this model as it is not a control found on the original amp - enable from the Options tab (described in the next section.)

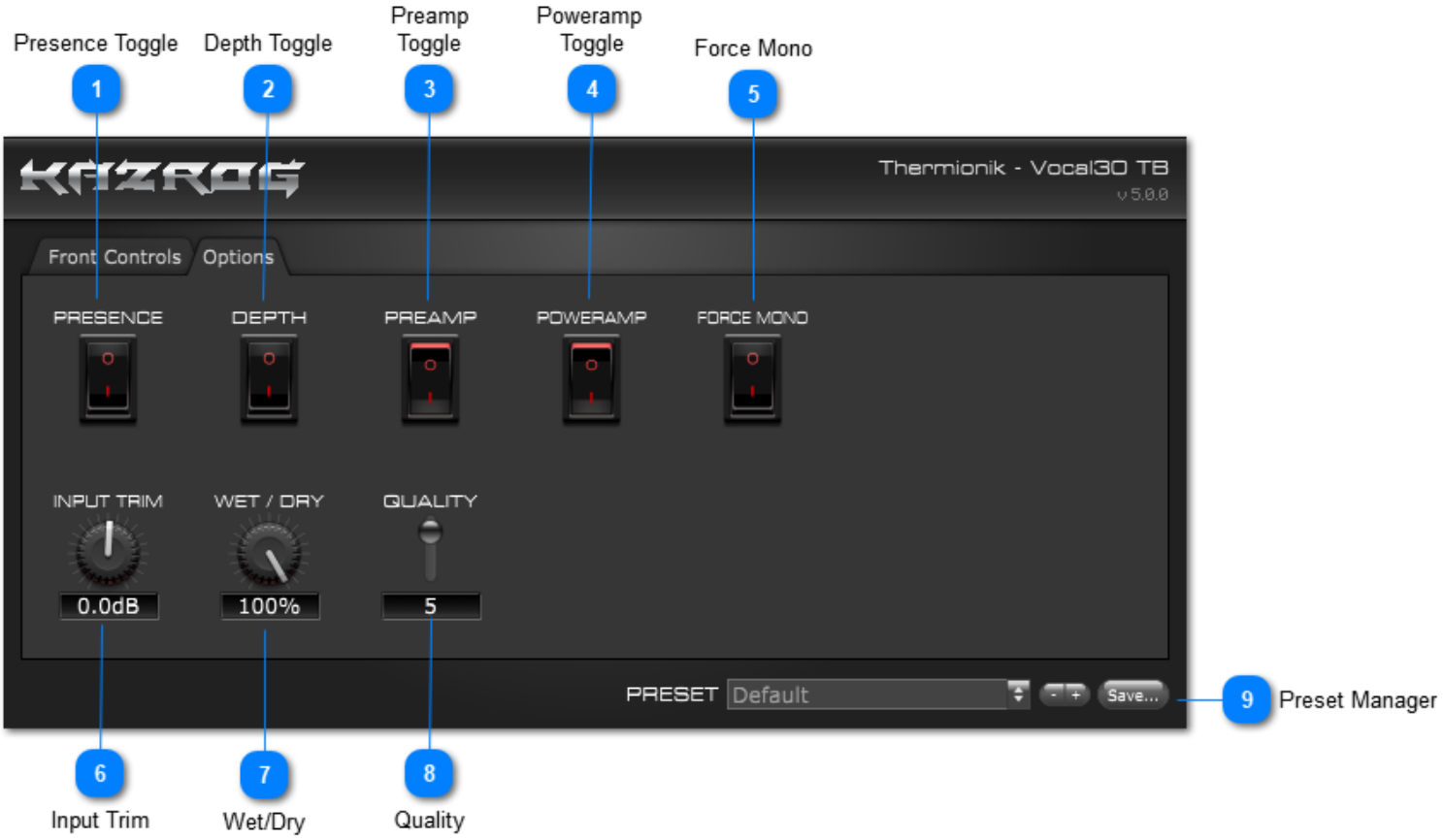
7 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

8 **Saturation**

Adjusts the level of power amp saturation, the same as adjusting Master Volume on amps equipped with such a control. At 5.0 on amps that lack a Master Volume control, this models the amount of saturation on the amp being modeled.

1.3.30.2. Options



1 Presence Toggle

Enables or disables the front panel Presence control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

2 Depth Toggle

Enables or disables the front panel Depth control. This can be used to conserve CPU power, and/or achieve a more neutral power amp response.

3 Preamp Toggle

Enables or disabled the preamp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

4 **Poweramp Toggle**

Enables or disabled the poweramp section itself. Useful in complex routing situations, mixing and matching amps, or other alternative uses (synth or vocal processing, etc.)

5 **Force Mono**

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

6 **Input Trim**

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

7 **Wet/Dry**

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

8 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.

Quality level descriptions:

1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

9 Preset Manager

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.4. FX Pedal Emulation Plugins

The plugins in this section are emulations of guitar FX pedals.

1.4.1. Bass Director

This pedal emulation is based on the Tech 21 Sans Amp Bass Driver DI. The original pedal is an industry standard for direct bass guitar tones for all styles of music.

1.4.1.1. Front Controls

1 Gain

Controls the amount of preamp gain desired.

2 Bass

Adjusts the low frequency response

3 Treble

Adjusts the high frequency response.

4 Out Level

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

5 Presence

Adjusts the ultra high frequency response.

6 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This control exists on the Options panel of all Kazrog plugins, but the original pedal hardware this plugin emulates features a wet/dry control on its front panel, so it is duplicated here on the plugin's front panel for easy recall of settings from the real world.

1.4.1.2. Options

1 **Force Mono**

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

2 **Input Trim**

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean

boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

3 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

4 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.
Quality level descriptions:
1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

5 Preset Manager

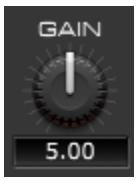
Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.4.2. Centipede

This pedal emulation is based on the highly sought after Klon Centaur pedal. This model is known for its excellence as both a clean boost, and a warm overdrive with extremely tasteful treble control.

1.4.2.1. Front Controls

1 **Gain**



Controls the amount of preamp gain desired.

2 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

3 **Treble**

Adjusts the high end response.

1.4.2.2. Options

1 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

2 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean

boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

3 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

4 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.
Quality level descriptions:
1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

5 Preset Manager

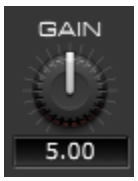
Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.4.3. Ram Fuzz

This pedal emulation is based on a vintage Electro Harmonix Big Muff pedal from 1973. This model is known for both the smoothness it can bring to lead guitar with conservative settings, as well as its grungy fuzz tone when pushed to extremes.

1.4.3.1. Front Controls

1 **Gain**



Controls the amount of preamp gain desired.

2 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

3 **Tone**

Adjusts the high end response. Unlike most other tone controls, this one reduces high end as you turn it up (clockwise.)

1.4.3.2. Options

1 **Force Mono**

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

2 **Input Trim**

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean

boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

3 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

4 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.
Quality level descriptions:
1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

5 Preset Manager

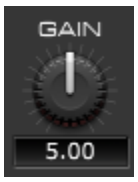
Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.4.4. Stockholm

This pedal emulation is based on the original Boss HM-2 Heavy Metal pedal, made in Japan in the 1980s. This model is known for its lo-fi, extreme character, and was made famous on classic Swedish deathmetal recordings.

1.4.4.1. Front Controls

1 **Gain**



Controls the amount of preamp gain desired.

2 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

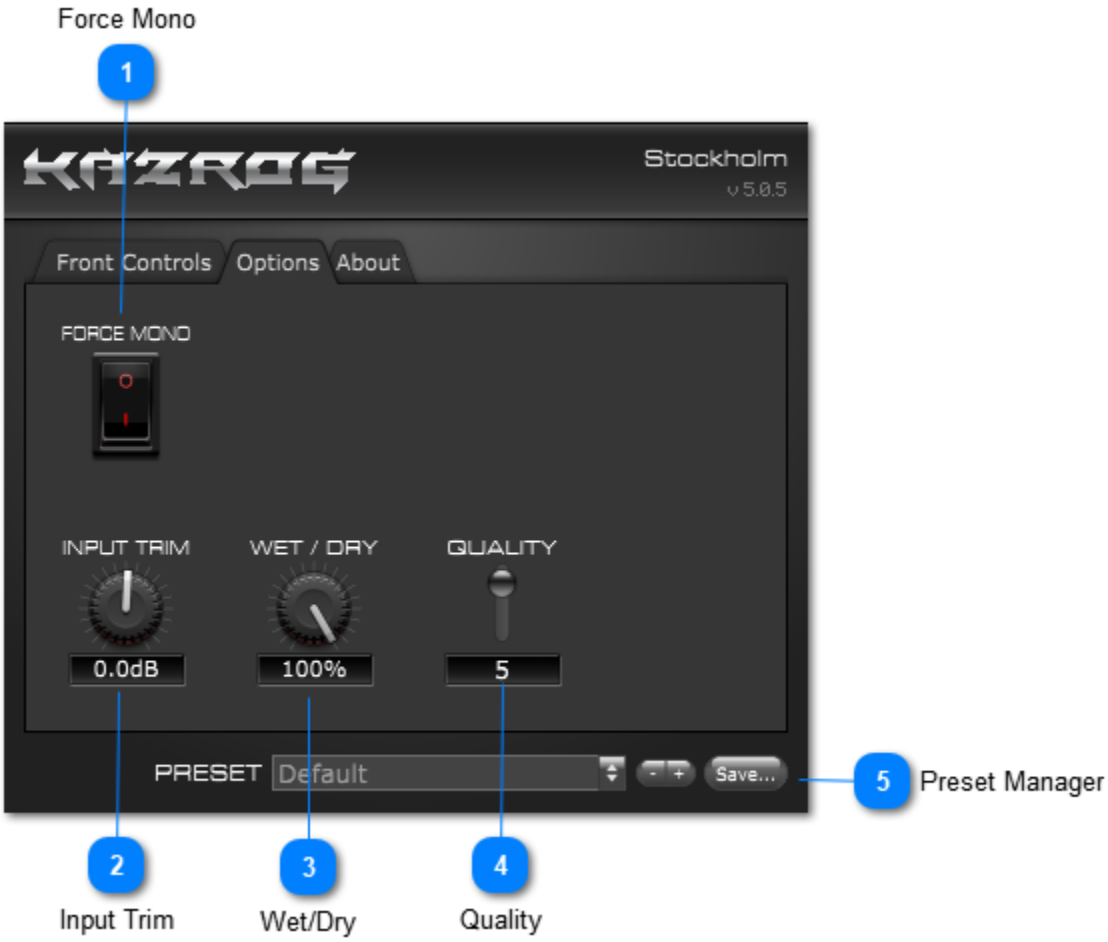
3 **Lo Color**

Adjusts the low end response.

4 **Hi Color**

Adjusts the high end response.

1.4.4.2. Options



1 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

2 Input Trim

Adjusts the level of the unprocessed input signal digitally, before it hits any processing inside the plugin. This control has a full range of 48dB (-24dB to +24dB) and defaults at unity gain. Use this to compensate for pickups, DI box impedance, engineers who like to normalize DI tracks, etc. Can also be used as a "clean

boost" by cranking it up +12dB or more - especially useful for getting more extreme distortion sounds out of vintage amp emulations.

3 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp models with bass guitar DI tracks.

4 Quality

Adjusts the overall sound quality of the plugin for CPU conservation by increasing or decreasing oversampling, component modeling accuracy, and various other internal parameters via a single slider.
Quality level descriptions:
1. No oversampling, low emulation accuracy.
2. 2x oversampling, low emulation accuracy.
3. 4x oversampling, medium emulation accuracy.
4. 8x oversampling, high emulation accuracy.
5. 16x oversampling, high emulation accuracy.
6. 32x oversampling, high emulation accuracy.

5 Preset Manager

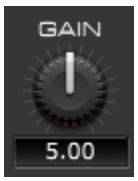
Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.4.5. Vintage Driver

This pedal emulation is based on a vintage Ibanez TS808 Tube Screamer pedal with the coveted JRC4558 chip. This model is known for its use as a prefilter to get more attack and bite out of otherwise flubby sounding amps, and is widely used by players of all styles.

1.4.5.1. Front Controls

1 **Gain**



Controls the amount of preamp gain desired.

2 **Out Level**

Adjusts the final output level of the plugin digitally, in dB. This allows you to compensate for too much or too little level without altering the character of the sound.

3 **Tone**

Adjusts the high end response.

1.4.5.2. Options

1 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.
Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

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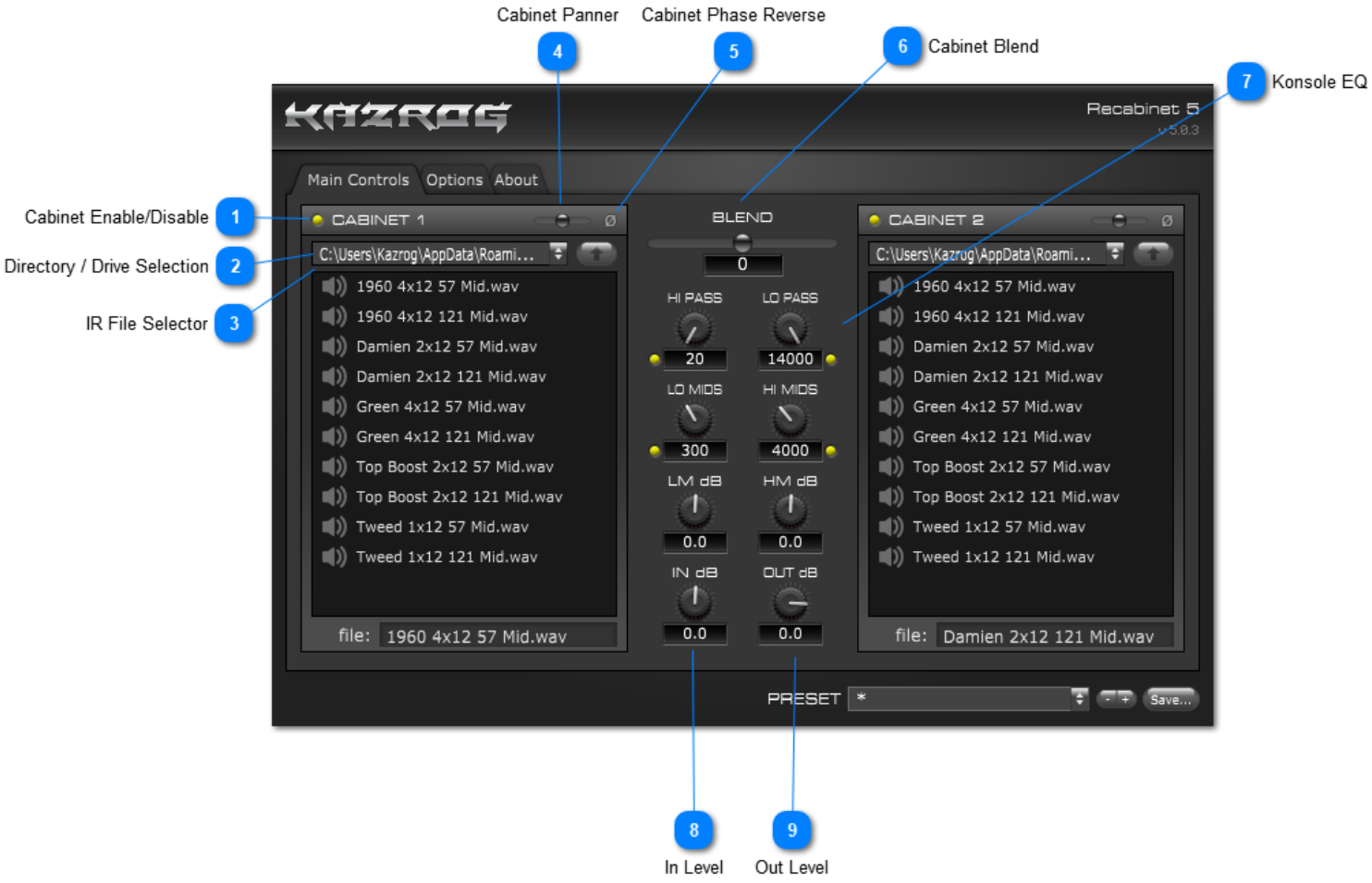
5 Preset Manager

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

1.5. Recabinet

Recabinet is the industry standard cabinet simulation plugin, featuring high resolution, high accuracy convolution, EQ, and dynamics emulation. It is compatible with all .WAV format impulse response files.

1.5.1. Main Controls



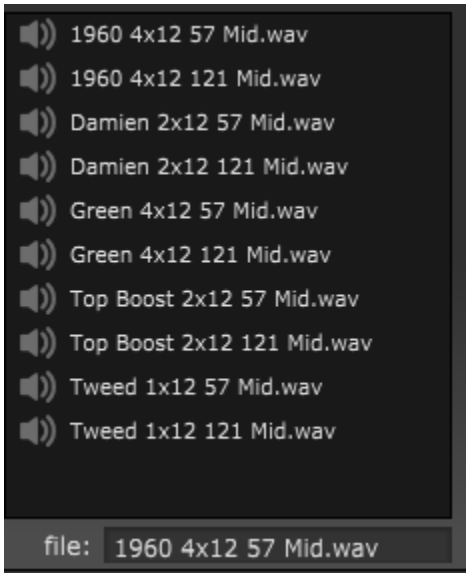
1 Cabinet Enable/Disable

Toggles a cabinet on and off. When a cabinet is disabled, the cabinet blend control (6) is inactive. This way, you can audition each cabinet IR solo at the same apparent loudness as the blended signal, and remain more objective about the overall tone.

2 Directory / Drive Selection

Allows for fast directory changing and drive browsing. Values can be copy/pasted with right click submenu functionality.

3 IR File Selector



Load a new cabinet IR simply by clicking its name in the list. Allows for fast tone testing.

4 **Cabinet Panner**

Available when Recabinet is loaded on a stereo track, this control pans the cabinet in the stereo field (centered by default.)

5 **Cabinet Phase Reverse**

Inverts the phase of the currently loaded cabinet IR. This is useful for blending cabinet IRs that happen to have reversed phase relative to one another, so that they won't result in cancellation.

6 **Cabinet Blend**

Blends the two cabinets according to the ratio. Zero (centered) blends both cabinets equally. Just pull the slider in the direction of the cabinet you want to hear more of...

7 **Konsole EQ**

The classic EQ from Recabinet 3 and 4. The hi and lo pass filters have a gentle slope, ideal for taming tone without stifling it. The lo and hi mid cut/boost controls are specifically tuned for the needs of quick guitar

equalization. Each band can be true-bypassed by clicking its LED, and the entire EQ can be bypassed on the Options tab (see the next section.)

8 **In Level**

Digitally adjusts the level of the input signal before processing.

9 **Out Level**

Digitally adjusts the level of the final output signal post-processing.

1.5.2. Options

1 Konsole EQ

The classic EQ from Recabinet 3 and 4. The hi and lo pass filters have a gentle slope, ideal for taming tone without stifling it. The lo and hi mid cut/boost controls are specifically tuned for the needs of quick guitar equalization. Each band can be true-bypassed by clicking its LED, and the entire EQ can be bypassed using the EQ Off / EQ On switch.

2 Force Mono

Forces the plugin to process incoming audio as a single channel, duplicating the processed output to any additional channels. Useful for conserving CPU in stereo-only DAWs such as Ableton Live.

Please note: you will need to save, close, and re-open your DAW session after enabling this control for it to take effect.

3 In Level

Digitally adjusts the level of the input signal before processing.

4 Out Level

Digitally adjusts the level of the final output signal post-processing.

5 Cabinet Panners

Available when Recabinet is loaded on a stereo track, these controls pan the cabinets in the stereo field (centered by default.)

6 Wet/Dry

Adjusts the wet/dry ratio of plugin processing (defaulting to 100% wet.) This is useful in many mixing scenarios, including and especially using guitar amp and cabinet models with bass guitar DI tracks.

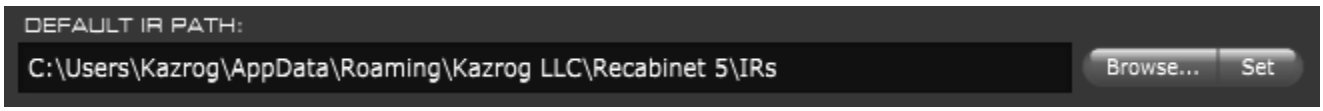
7 Dynamics

When enabled, the Dynamics control adjusts the amount of speaker dynamics simulation. This results in a subtle overdrive that can enhance many types of guitar sounds. For more extreme overdriven/damaged speaker sounds, crank the in level (3) while pulling down the out level (4) to avoid clipping your mix bus.

8 Preset Manager

Browses and manages user and factory presets. If the last chosen preset has been modified by the user, an asterisk (*) will be added before the preset name as a reminder that changes have not been saved.

9 **Default IR Path**



Sets the default path shown in the IR browsers when a fresh instance of Recabinet is placed in a track insert in your DAW.

1.6. Version History

Guitar FX Series - Version 5.0.6 - March 21, 2017

Changes/Additions:
• Fixed wrong version number displayed in Mac version.
• Fixed tone stack inaccuracies in M2B, M2CP, M4, and Marshland 45 models. They now respond more accurately with the real amps they were modeled after.
• Fixed uneditable text field bug affecting some fields in some pedal models.

Guitar FX Series - Version 5.0.5 - Feb 14, 2017

Changes/Additions:
• Added 5 new amp models and 5 new pedal models.
• Fixed plugin delay compensation issue that caused wet/dry signal phasing during blending.

Recabinet - Version 5.0.4 - May 26, 2016

Changes:
• Recabinet now properly stores and recalls IR paths in Pro Tools upon startup.
• Recabinet now smoothly crossfades between preset changes, as it has in the past. This was accidentally omitted in 5.0.3 when the codebase was rebuilt.
• Windows installers are properly code signed (this has also been retroactively applied to live Recabinet and Thermionik 5.0.3 installers on the server.)

Known Issues:
• Custom user default IR path settings from 5.0.3 will need to be reset again. This won't be an issue after this update.

Thermionik & Recabinet - Version 5.0.3 - March 10, 2016

Changes:
• Introduced demo mode and new keyfile authorization system.
• Re-calibrated Thermionik amp model components, resulting in subtly smoother yet more open harmonic structure throughout the entire spectrum of tones.
• Lowered overall master output between -1 and -3dB across all models to prevent clipping during typical settings. You will need to adjust pre-existing mixes accordingly.
• Introduced Recabinet 5 itself.

Thermionik - Version 5.0.2 r2 - February 3, 2016

Changes:
• Smoothed gain ranging across all models and sanity checked all factory presets for more predictable results on a wide variety of audio interfaces, guitar pickups, etc.

Thermionik - Version 5.0.2 - February 2, 2016

Changes:
• Comprehensive stability improvements in all hosts, resolving all known crash conditions from previous Thermionik versions in hosts including (but not limited to) Sonar, Logic, Ableton Live, Pro Tools, and Reaper.
• Increased upward gain range so even more brutal distortion tones are possible, without sacrificing the headroom and control that was added in the last update.

Known Issues:

• Automation of parameters the change the amp's state (such as channel and toggle changes) does not work properly at this time, in that the audio stream does not refresh to the amp's current state (despite the plugin's UI reflecting the changes.) This will be addressed as soon as possible.

Thermionik - Version 5.0.1 - January 29, 2016

Changes:
• Crashes that have plagued many hosts in a variety of conditions have been eliminated completely (or, so we thought when this blurb was written.)
• Gain ranging/calibration of the entire set of 25 current amp models has been improved massively, with increased versatility (can go clean even on a lead channel, the entire range of gain knob is more meaningful/usable), control (10x the number of control points), and full backward compatibility with existing presets.
• Mid gain sounds on various vintage amp models are smoother due to recalibrated vintage tube algorithms.
• Factory presets have been re-leveled to prevent clipping.
• Impedance curves in the power sections of Psycho A, Psycho B, Damage 120, and Duality 3ch have been revised.
• Fixed a bug where a loaded preset may not be recalled when re-opening a session in some DAWs.

Known Issues:
• Sonar Platinum - recalling a session with Thermionik 5.0.1 or 5.0.0 causes an instant crash.

Thermionik - Version 5.0.0 - January 22, 2016

• Initial release.

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