




NEMBRINI AUDIO

0.0 dB INPUT    FX  OUTPUT -0.7 dB

BRI ON OFF

VOLUME TREBLE MIDDLE BASS DISTORTION REVERB

SPEED DEPTH OFF VIB CHORUS

JAZZ CHORUS

  POWER

JAZZ CHORUS GUITAR AMPLIFIER

JAZZ CHORUS GUITAR AMPLIFIER



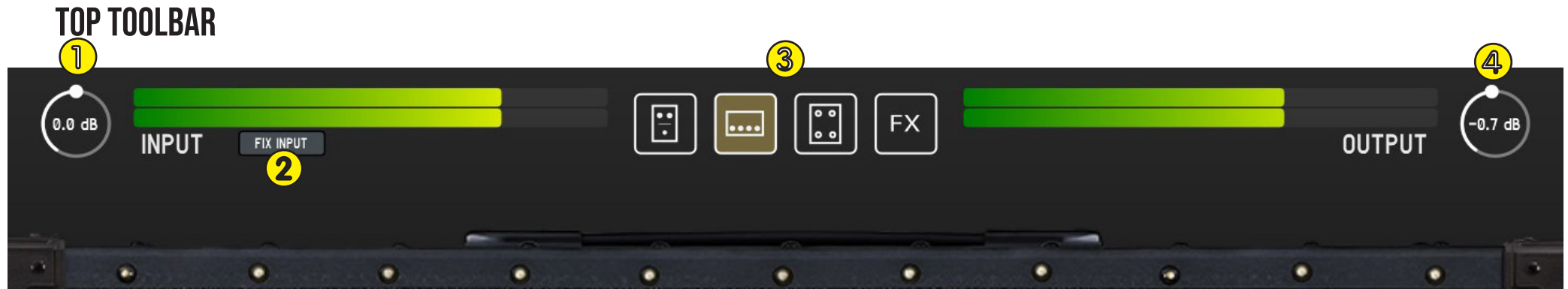
Welcome to the **Jazz Chorus** plugin, a meticulously crafted emulation of the legendary *Roland Jazz Chorus 120** amplifier. Renowned for its sparkling clean tones, lush stereo chorus, and timeless warmth, the *Jazz Chorus 120** has been a staple in the rigs of countless musicians across genres.

This plugin captures every detail of the original amp, from its iconic clean sound to its distinct onboard effects, delivering an authentic playing experience whether you're in the studio or performing live. With modern enhancements for greater flexibility and usability, the **Jazz Chorus** plugin brings classic tone to your fingertips.

Explore its features, discover your unique sound, and let the Jazz Chorus plugin inspire your creativity.

- 6 carefully selected cabinet emulations
- 4 premium microphone emulations used in real recording sessions
- A powerful impulse response (IR) loader to load your favorite IRs
- Selectable microphone positions with volume and pan controls
- Pre-amplifier stomp section featuring noise gate, compressor, auto swell and fuzz
- Post-amplifier effects section with equalizer, delay, and studio compressor

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- 1. INPUT LEVEL:** This knob adjusts the overall input level of the plugin. It helps manage how much signal is fed into the various stages
- 2. FIX INPUT:** Keeps the input level constant when switching through different presets, ensuring consistent signal levels

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TOP TOOLBAR

3. NAVIGATION: These icons allow you to navigate between different sections of the plugin:

- **STOMPS:** Opens the stompbox section, where you can access pre-amplifier effects like Noise Gate, Compressor, Auto Swell and Fuzz
- **AMPLIFIER:** Opens the amplifier section, letting you tweak amp settings like tone, volume, and chorus
- **CABINET:** Opens the cabinet section, providing access to built-in cabinets, IR loader, and bypass options
- **EFFECT:** Opens the post-amplifier effects section, where you can add effects like equalizer, delay, and studio compressor

4. OUTPUT LEVEL: This knob adjusts the overall output level of the plugin. It helps balance the final signal before it leaves the plugin, ensuring an appropriate volume for your mix or performance

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Amplifier section of the Jazz Chorus plugin features the main controls:

1. **BRIGHT SWITCH (BRI):** Toggles the bright mode, adding a high-frequency boost for a sharper, crisper sound. Switch to “ON” for extra clarity in your tone, or “OFF” for a warmer, more neutral response.
2. **VOLUME:** Adjusts the overall input gain for the amp channel. Turn clockwise to increase loudness or counter-clockwise to decrease it.
3. **TREBLE:** Controls the high-frequency content of the sound. Turning it up enhances brightness and presence, while turning it down softens the highs.
4. **MIDDLE:** Adjusts the midrange frequencies, crucial for the body and character of the tone. Increase for a punchier sound or decrease for a scooped, more open tone.

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1. **BASS:** Manages the low-frequency response Turn it up for a fuller, deeper sound, or reduce it for a tighter, less boomy response
2. **DISTORTION:** Adds overdrive to your signal, emulating the rich saturation of pushing the amp harder Use sparingly for subtle grit or crank it up for more aggressive tones
3. **REVERB:** Adds a spring reverb effect, emulating the classic built-in reverb tank of the original Jazz Chorus amp Produces a warm, vintage-style ambient sound that enhances depth and space Increase for a lush, spacious effect or lower it for a dry, focused tone

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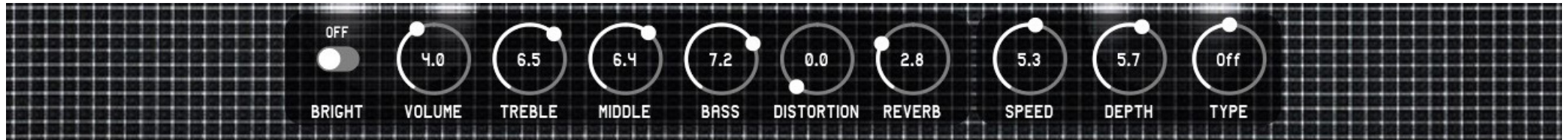
The Chorus/Vibrato section of the Jazz Chorus plugin emulates the signature modulation effects of the *Roland JC-120** amplifier, renowned for its rich stereo chorus and vibrato.

- 1. SPEED CONTROL:** Adjusts the rate of the modulation effect Turn clockwise to increase the speed for faster modulation or counterclockwise to slow it down
- 2. DEPTH CONTROL:** Sets the intensity of the modulation effect Increase for a deeper, more pronounced modulation or decrease for a subtler, more delicate effect
- 3. CHORUS/VIBRATO SWITCH:** Selects between the chorus and vibrato effects Set to “Chorus” for the iconic spacious effect of the Jazz Chorus amp or to “Vibrato” for a pulsating pitch modulation Both effects are powered by a BBD (Bucket Brigade Device) chipset, delivering the warm, analog modulation tones the Jazz Chorus is famous for
- 4. POWER SWITCH:** Toggles the plugin on or off with an indicator light showing the amp’s status, replicating the feel of the original Jazz Chorus amplifier

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AMPLIFIER BOTTOM TOOLBAR



This bottom toolbar provides quick access to key amplifier settings, visible in every section of the plugin for convenient adjustments

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PRE - AMPLIFIER STOMP



The pre-amplifier stomp section consists of four effects: Noise Gate, Compressor, Auto Swell and Fuzz. Each effect is draggable, allowing you to rearrange the signal chain to achieve the desired tonal characteristics. The routing order can be adjusted by dragging each effect along the arrow path, giving you flexible control over your sound.

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PRE - AMPLIFIER STOMP: NOISE GATE



1. **RANGE:** Controls the level of signal reduction when the gate is closed. Higher values result in more noticeable suppression, helping reduce noise effectively
2. **GATE:** Adjusts the attack time, determining how quickly the gate responds to the signal. A faster setting will clamp down immediately, while a slower setting allows for a more natural fade
3. **THRESHOLD:** Sets the level at which the gate activates. Signals below this level are muted, allowing you to control how much noise is filtered without affecting the desired signal
4. **SWITCH:** Activates or deactivates the Noise Gate. When engaged, the gate will operate based on the set parameters to clean up the signal

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PRE - AMPLIFIER STOMP: COMPRESSOR



1. **ATTACK:** Controls the time it takes for the compression to engage after the signal exceeds the threshold
2. **SENSITIVITY:** Adjusts the compression threshold, determining how easily compression is applied
3. **OUTPUT:** Sets the level of the compressed signal sent to the next stage
4. **SWITCH:** Toggles the compressor effect on or off

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PRE - AMPLIFIER STOMP: AUTO SWELL



1. **TIME:** Controls the attack time of the swell effect, adjusting how quickly the volume rises. Includes a SYNC switch to synchronize the swell ramp time to the DAW tempo, allowing for perfectly timed swells in your music.
2. **SENSITIVITY:** Determines how responsive the effect is to the input signal dynamics.
3. **FADE:** Selects the type of fade curve (Linear, Logarithmic, or Exponential) for the volume swell.
4. **WAH:** Adds a wah effect to the swell, further modulating the tone.
5. **SWITCH:** Toggles the auto swell effect on or off.

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PRE - AMPLIFIER STOMP: FUZZ

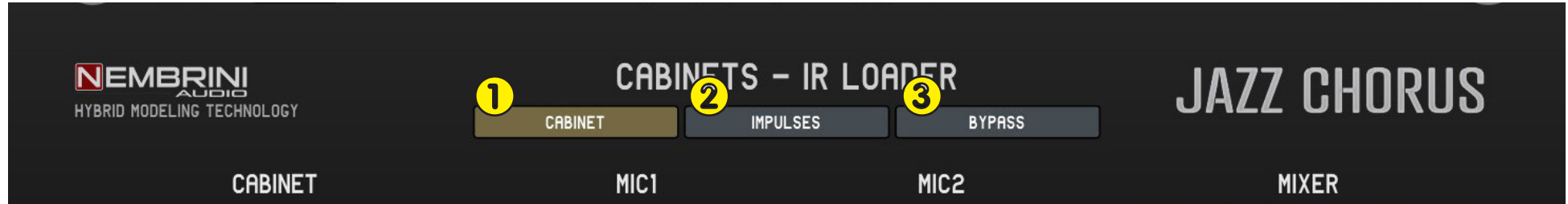


1. **FILTER:** Adjusts the tone of the fuzz, shaping the brightness or darkness of the distortion
2. **LEVEL:** Controls the output volume of the fuzz effect
3. **DRIVE:** Sets the amount of gain or distortion applied to the signal
4. **SWITCH:** Toggles the fuzz effect on or off

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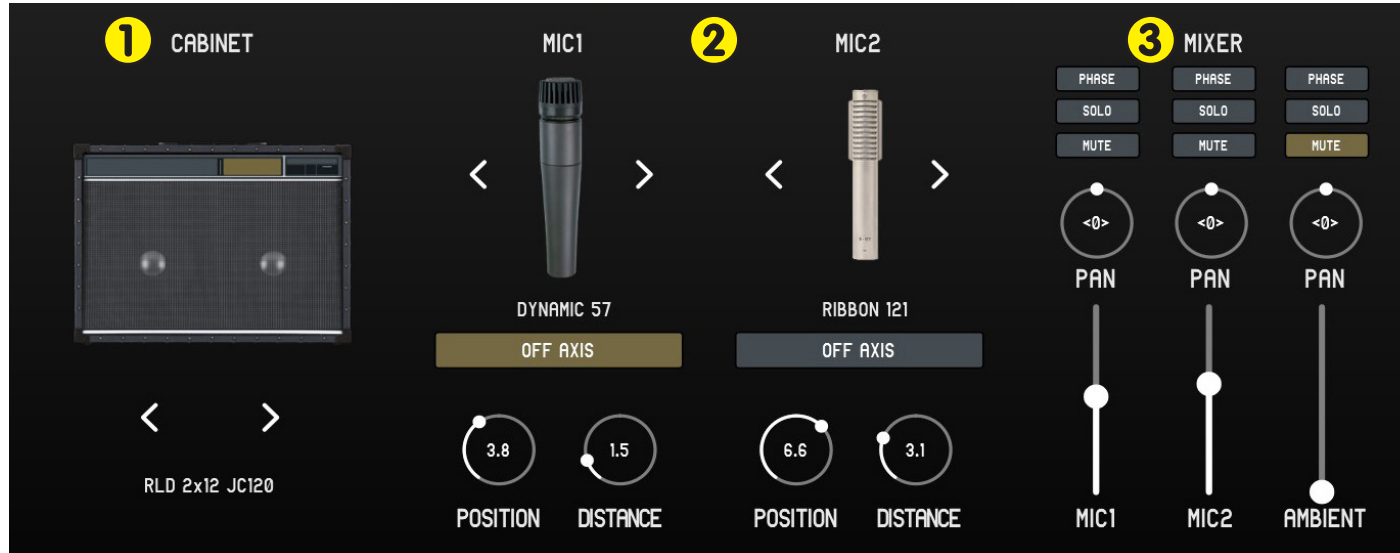
CABINETS MODE - IR LOADER



- 1. CABINET:** Selects the built-in cabinet emulations. This option allows you to use the carefully crafted cabinet models included with the plugin, providing a range of tones that emulate classic speaker cabinets
- 2. IMPULSES:** Switches to the IR loader mode, enabling you to load custom impulse responses (IRs). This option is perfect for users who want to use their favorite IRs to create personalized tones
- 3. BYPASS:** Bypasses the cabinet section entirely, allowing you to use an external IR loader or another cabinet emulation in your signal chain. This is useful for players who prefer to use their own external cabinet modeling tools for additional customization

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CABINET MODE



- 1. CABINET:** you can choose between six selected cabinet emulation
 - BG 2x12 V30: based on Bogner* 2x12 Celestion Vintage 30 speakers
 - RLD 2x12 JC120: based on Roland* 2x12 with JC120 speakers
 - HK 2x12 V30: based on Hughes and Kettner* TM 212 with Celestion Vintage 30 speakers
 - FND TWIN 2x12 J120: based on Fender Twin Reverb* 2x12 JBL D120F speakers
 - VH 4x12 P50E: based on VHT* 412S 4x12 with Eminence* P50E speakers
 - VOICE 2x12 BLUE: based on Vox* 2x12 with Celestion* Blue speakers

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2. MIC 1 AND MIC 2 SETTINGS: This feature allows you to simulate the use of two virtual microphones for your amplifier's recording chain. It provides the flexibility to:

- *Choose from eight different microphone models*, enabling a range of tonal characteristics.
- *Select the microphone's orientation* with options for On-Axis or Off-Axis positions, affecting the color and intensity of the captured sound.
- *Adjust the Position and Distance* of each microphone relative to the speaker, offering control over the depth and spatial effects in your recordings.

The emulated microphone are:

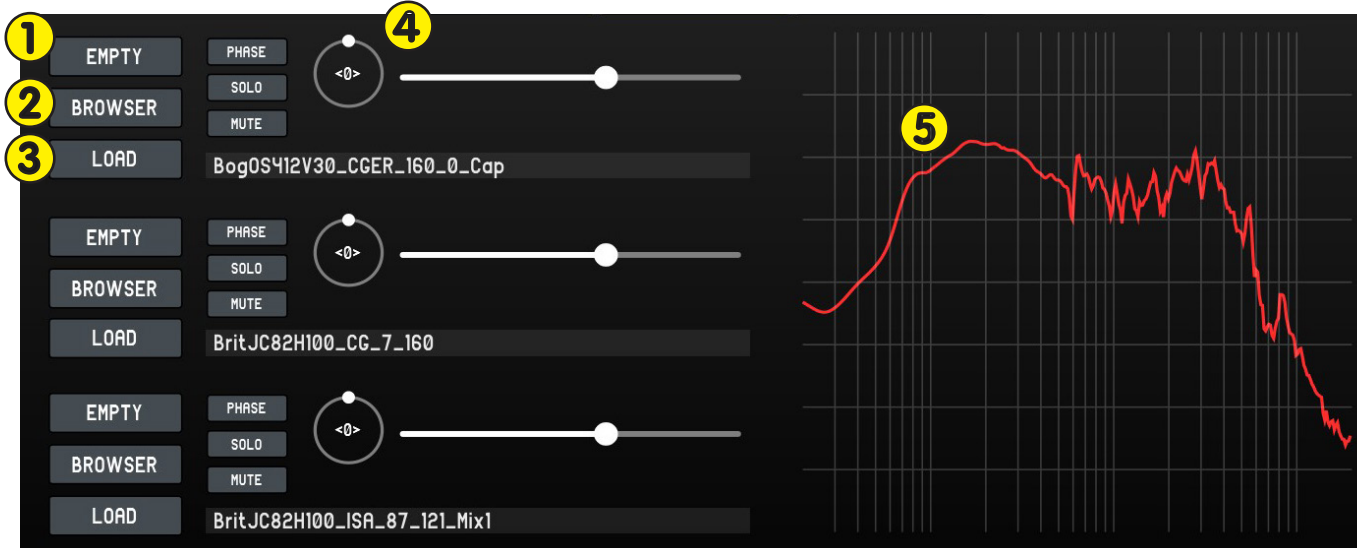
- 1 - Dynamic 57: based on popular Shure* SM-57 dynamic microphone
- 2 - Ribbon 121: based on modern Royer* Labs R-121 ribbon microphone
- 3 - Condenser 414: based on classic AKG* C 414 condenser microphone
- 4 - Dynamic 421: based on vintage Sennheiser* MD-421 dynamic microphone

3. MIXER: This 3 faders controls the volume of the 2 microphones in front of the guitar cabinet and the stereo ambience microphones.

Each channel have a pan control for stereo positions, solo, mute and phase inversion switch.

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IMPULSES LOADER MODE



The Puretone Impulses Loader let you load up to three 3rd-parties impulse responses and blend them together. The following settings are available for each of the three loaded IRs:

- 1. EMPTY BUTTON:** unload the current IR
- 2. BROWSE BUTTON:** open an explorer window that permit you to select a folder and show you the contained wav files in the adjacent display (5).
- 3. LOAD BUTTON:** open an explorer window that permit you to load your favorite impulse response.
- 4. IR CONTROLS:** you can change the volume, pan, phase of each IR and Solo or Mute it
- 5. BROWSE/PREVIEW DISPLAY:** in this display you can browse your favorite IRs or view a preview

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BYPASS MODE



In this mode the whole cabinet / recording chain section and impulses loader are completely bypassed, letting you use your favorite impulse loader or your real power amplifier and speakers system with the Jazz Chorus Guitar Amplifier plugin.

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POST - AMPLIFIER EFFECTS



Post Amplifier Effects Section including three main effects: Equalizer, Delay with Shimmer, and Studio Compressor. Each effect is draggable to change the signal routing for flexible sound design.

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POST - AMPLIFIER EFFECTS: EQUALIZER



- 1. POWER SWITCH:** This button activates or deactivates the Equalizer effect. When lit, the Equalizer is engaged, allowing you to shape your tone with the EQ controls.
- 2. HIGH-PASS FILTER (HP):** Controls the cutoff frequency for the high-pass filter, ranging from 20 Hz to 5 kHz. This filter removes low frequencies below the set point, allowing you to clean up unwanted bass frequencies.

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POST - AMPLIFIER EFFECTS: EQUALIZER



1. FREQUENCY BANDS (100 Hz - 6.4 kHz): These knobs allow you to adjust the gain of specific frequency bands, with a gain range from -15 dB to +15 dB for each band. Each knob targets a different frequency range, allowing precise tonal adjustments. The bands include:

- 100 Hz: Adjusts the low frequencies for adding or reducing bass.
- 200 Hz, 400 Hz, 800 Hz: Controls the low-mid to midrange frequencies, critical for body and warmth.
- 1.6 kHz, 3.2 kHz, 6.4 kHz: Adjusts the upper-mid to high frequencies for clarity and definition.

2. LOW-PASS FILTER (LP): Sets the cutoff frequency for the low-pass filter, from 1 kHz to OFF. This filter removes frequencies above the set point, allowing you to smooth out harsh high frequencies.

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POST - AMPLIFIER EFFECTS: DELAY



- 1. POWER SWITCH:** This button turns the Tape Delay effect on or off. When activated, the effect adds echoes to your signal, emulating the classic tape delay sound
- 2. TIME:** Adjusts the delay time, which is the interval between the original signal and its repetitions. It ranges from short slapback delays to long echoes. The Sync switch allows the delay time to sync with your DAW's tempo
- 3. SWELL:** Gradually increases the volume of the delayed signal, creating smooth, pad-like effects
- 4. FEEDBACK:** Controls how many repetitions are heard. Turning it up increases the number of echoes, creating a more pronounced, ongoing effect

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POST - AMPLIFIER EFFECTS: DELAY



1. **SPREAD:** Sets the stereo spread of the delay. Turning this knob up widens the delay effect across the stereo field, creating a more spacious and immersive sound
2. **TONE:** Adjusts the tonal quality of the delayed signal. Turning it up makes the delayed echoes brighter, while turning it down results in darker, more muffled echoes, simulating the natural degradation of tape delay
3. **SHIMMER:** Adds pitch-shifted elements (an octave up) for an ambient, sparkling texture
4. **SMEAR:** Softens the attack of repeats for a smoother, more cohesive, ambient delay sound
5. **MIX:** Controls the blend between the dry (unaffected) signal and the wet (delayed) signal. At 0%, the signal is completely dry, while at 100%, the signal is fully wet with the delay effect

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POST - AMPLIFIER EFFECTS: STUDIO COMPRESSOR



- 1. POWER SWITCH:** This button turns the Studio Compressor effect on or off
- 2. THRESHOLD:** Defines the level at which the compressor starts working, and signals that exceed this level are compressed
- 3. ATTACK:** Controls how quickly the compressor responds after the signal crosses the threshold. Short attack times result in faster compression, while longer times allow more transient detail to pass through.
- 4. RELEASE:** Determines how quickly the compressor stops affecting the signal after it drops below the threshold. Longer release times create smoother compression, while shorter times provide a tighter effect.
- 5. RATIO:** Defines the degree of compression by setting the ratio between the input level and the output level. Higher ratios apply more compression to the signal.
- 6. OUTPUT:** Adjusts the overall level of the compressed signal to ensure volume consistency after compression.
- 7. GAIN REDUCTION:** Displays the amount of gain reduction applied in real-time, providing visual feedback on the compressor's performance.

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THE TOOLBARS



Top Toolbar

1. Open the manual and the information about the plugin
2. + and - buttons allow you to scroll through the presets
3. Undo/Redo changes made to the parameters of the plugin at any time
4. With A/B banks, it is possible to compare two different settings in an easy way. It is also possible to compare presets by loading them in the two different A/B banks. The red highlight will show the currently selected bank and what you will modify/save
5. Copy the settings from a bank to another, so you can make slight changes to the controls and compare the two settings for example

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1. Shows you the active preset. Click on the label to see the preset list
2. Allow you to override the current selected preset
3. Save the current selected preset as a new preset with a name of your choice
4. Delete the selected preset
5. Bypass the plugin in order to compare your processed and unprocessed signal

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