



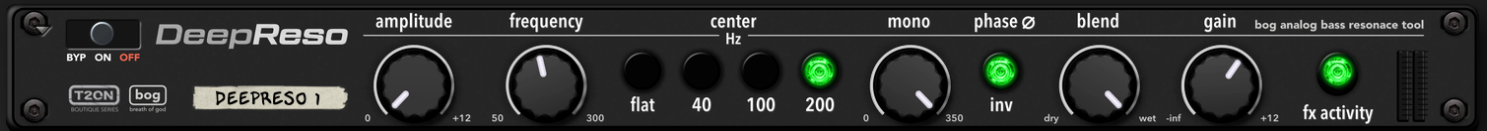
DEEPRESO

BOG Analog Bass Resonance Tool

[RACK EXTENSION]
MANUAL



FX device by Turn2on Software



Do your bass lines feel thin?
Are your kick drums lacking punch and impact?
Does your mix sound anemic despite hours of EQ and compression? You're not alone.

The hardest part of mixing is often getting the low end just right - making it powerful, defined, and impactful without becoming muddy or overwhelming.

Introducing **DeepReso**, the BOG Analog Bass Resonance Tool. More than just an EQ, **DeepReso** is a specialized instrument for sculpting and enhancing the fundamental low frequencies of any audio signal.

It's designed to add incredible weight, focus, and that elusive "oomph" that makes your bass truly speak in a mix.

Inspired by the legendary Little Labs VOG (Voice of God)* hardware, **DeepReso** meticulously recreates the unique resonant filtering and low-frequency shaping capabilities that have made the original a studio secret weapon for decades.

Where traditional EQs often fall short, **DeepReso** excels, allowing you to dial in specific resonant frequencies that bring elements to life, making them feel larger than life and sit perfectly in your mix.

Stop fighting with endless EQ bands. Dive into the deep end of professional bass enhancement.

BassReso offering unique controls for resonant frequency boosting and phase manipulation. Now, the Mono knob provides unparalleled control over your low-end stereo image, ensuring a tight, focused, and impactful foundation that translates perfectly across all playback systems

We highly recommend you try **DeepReso** and experience the transformation for yourself. Discover why so many engineers consider this type of tool indispensable for a truly professional low-end.

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Top-3 features

DEEPRESO

1. VOG-Inspired Resonant Engine: DeepReso's core is a powerful, high-Q resonant filter, meticulously tuned to provide exceptional focus and enhancement to specific low frequencies. Just like its hardware inspiration, it lets you "tune" into the sweet spot of your bass, giving it unparalleled presence and weight.

2. Intuitive Frequency Shaping: Go beyond simple EQ with DeepReso's iconic "Flat / 40 / 100 / 200" frequency buttons. These provide instant, musical low-shelf adjustments, allowing you to either clear out mud or add broad emphasis to sub-bass, mid-bass, or low-mids, perfectly complementing the main resonance.

3. Analog Warmth & Drive: Infuse your low end with authentic analog character. The built-in DRIVE circuit adds subtle harmonic saturation, thickening your bass and giving it a rich, organic warmth that glues it into the mix and helps it translate on smaller speakers.

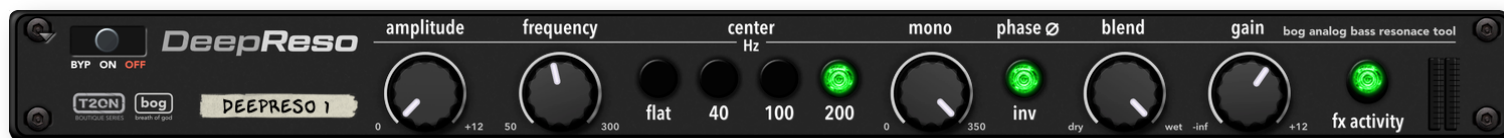
The Story of DeepReso: The Breath of God

In the world of audio engineering, certain pieces of hardware achieve legendary status not just for what they do, but for how they do it. The Little Labs VOG (Voice of God) is one such device. Born from a need to make bass frequencies truly impactful and present, it quickly became an indispensable tool for top engineers looking to dial in that elusive "breath" or "growl" in the low end. It wasn't just boosting; it was sculpting a dimension into the sound.

Inspired by this philosophy - the idea of making the low-end not just loud, but alive - we embarked on creating **DeepReso**. Our goal was to capture the essence of what made the VOG so special: its unique resonant character, its effortless ability to make bass lines sit perfectly, and its intuitive control scheme.

DeepReso is re-imagined as the "Breath of God" (BOG) - a powerful, organic force that gives life to the lowest registers of your music. We've meticulously designed its internal workings to repeat idea with some small additions and changes, ensuring that while it lives in your modern rack, it breathes with the soul of classic hardware. **DeepReso** isn't just a simple fx; it's an invitation to experience that legendary low-end magic in your own productions.

FRONT PANEL



MAIN CONTROLS

PARAM	DESCRIPTION
FREQUENCY	Set the specific low frequency that the resonant filter will boost. Turn this knob to "tune" into the fundamental frequency of your bass instrument or kick drum, finding the sweet spot where the low end springs to life. Range: 40 - 300 Hz
AMPLITUDE	Controls the amount of boost applied at the selected CENTER frequency. Turn this up to increase the intensity and presence of the resonance. Start subtle and increase until the low end feels powerful but not overwhelming.
CENTER	Dramatically shape the overall low-end character around your main resonanc: FLAT: Disables any broad low-frequency shaping, allowing the CENTER resonance to operate independently. 40 Hz: Applies a broad boost at 40 Hz, emphasizing the deep sub-bass frequencies for powerful rumble and weight. 100 Hz: Applies a broad boost at 100 Hz, adding warmth and fullness to the mid-bass region. Great for thickening up kicks and bass guitars. 200 Hz: Applies a gentle cut at 200 Hz. This helps to clean up muddiness or boominess in the low-mids, often making the lower resonance more defined and articulate.

PARAM	DESCRIPTION
MONO	Sums the signal to mono within a user-definable frequency range of 0-350Hz. By collapsing low frequencies to mono, you eliminate potential phase cancellations, create a more focused and powerful low-end, and ensure consistent playback across various stereo and mono systems. This functionality is a must-have for professional bass, sub, and kick processing
BLEND	Blends the original (dry) signal with processed (wet) signal. This is excellent for parallel processing, allowing you to retain the original signal's transients while blending in the enhanced low end.
PHASE	Inverts the phase of the output signal. Useful for correcting phase issues when combining multiple low-frequency sources or for creative effects.
GAIN	Sets signal level after DeepReso's processing. Control output with meter, that you're not clipping output signal.
FX ACTIVITY	FX On / Bypass switch for the effect. Variation of effect bypass with fade in and fade out, that excludes loud peaks when you enable or disable the effect

MONO IS MATTER ON BASS / KICK / SUB

The low-frequency spectrum (bass, sub, kick) is the foundation of your mix. While stereo width can be exciting, it often becomes problematic in the low-end for several critical:

- 1. Phase Cancellation:** When low frequencies are spread across the stereo field, even minor phase differences between the left and right channels can lead to severe phase cancellation. This results in a weak, hollow, or inconsistent bass response, where certain frequencies disappear or become less impactful, especially when played back on mono systems.
- 2. Translating to Mono:** Many playback systems (club sound systems, older car stereos, smartphones, even some professional monitoring setups) often sum low frequencies to mono. If your bass is wide and has phase issues in stereo, it will sound even worse, or completely vanish, when converted to mono. A tight, mono low-end ensures your mix translates consistently and powerfully everywhere.
- 3. Headroom and Power:** Wide low-end can consume valuable headroom and often feels less powerful and direct. By making the low-end mono, you consolidate its energy into the center, creating a more solid, impactful, and "glued" foundation for your entire mix. This allows your bass, sub, and kick to hit harder and occupy their sonic space more effectively.
- 4. Clarity and Focus:** A mono low-end helps to define the central anchor of your track. This clarity allows other instruments to sit better in the stereo field without competing with a wandering bass.

The **Mono knob** in BassReso, covering the crucial 0-350Hz range, is an indispensable tool for achieving a professional, impactful, and mix-ready low-end. It directly addresses these common issues, making BassReso an even more powerful and essential Rack Extension for any producer working with bass-heavy music.

How To Use It Right

- 1. Insert DeepReso:** Place DeepReso on the track you want to enhance (e.g., kick drum, bass guitar, 808, bass synth, or even a full mix bus).
- 2. Set Input Level:** Play your audio. Adjust the gain before DeepReso (or use the MIX knob if needed)
- 3. Find the Center:** Slowly sweep the Frequency while listening carefully. You'll hear a specific frequency jump out and resonate. This is often the fundamental frequency of your instrument. Find the spot where your low-end feels the most powerful and satisfying.
- 4. Dial in Amplitude:** Once you've found your CENTER frequency (by switching modes), use the AMPLITUDE knob to dial in the amount of boost. Start with a subtle amount and increase until it feels right - punchy and present, but not overpowering.
- 5. Shape the Low End:** Experiment with the Frequency Buttons (FLAT, 40, 100, 200).
 - If your low end is booming, try 200 Hz to gently scoop out muddiness.
 - If you need more sub-bass rumble, hit 40 Hz.
 - For a warmer, thicker mid-bass, try 100 Hz.
 - Use FLAT if the main resonance is all you need.
- 6. Adjust Mix:** Use the Blend (DRY/WET) knob. Often, blending in the effect (e.g., 50-80% wet) yields the most natural and powerful results, preserving transients while adding the DeepReso magic.
- 7. Match Output Level:** Use the OUTPUT GAIN to match the perceived loudness of the processed signal to the bypassed signal. This ensures you're not fooled by "louder is better."
- 8. Check Phase:** If you're mixing multiple low-frequency elements, or if your bass sounds weak, try toggling the PHASE Ø button. Sometimes a phase flip can dramatically improve alignment.
- 9. A/B Compare:** Constantly use the BYPASS button to ensure DeepReso is improving your sound.

BETTER WITH

This is a specialist tool for low frequencies, making it incredibly effective on a variety of sources:

Kick Drums: Add weight, punch, and definition to the fundamental thump. DeepReso can make your kick drum feel bigger and hit harder.

Bass Guitars: Give electric or acoustic bass a solid foundation, making it feel more powerful and present in the mix. Sculpt specific frequencies to cut through without being boomy.

808s & Sub Bass Synths: Enhance the core tone, add harmonic richness, and ensure these crucial low elements translate well on any playback system. DeepReso can turn a simple sine wave into a monster.

Basslines & Bass Synths: Bring life and depth to any synth or sampled bass sound, making it feel more organic and impactful.

Full Mix Bus (Subtle Use): When used sparingly on the entire mix, DeepReso can subtly enhance the overall low-end glue and impact, giving your track a finished, professional weight. Be careful not to overdo it here!

Drums Bus: Apply to a drum bus to give the entire kit more low-end foundation, particularly helping the kick and tom resonates.

DeepReso is your secret weapon for a low end that's felt as much as it's heard. Experiment, listen, and unleash the BOG!

REAR PANEL



CONNECTORS

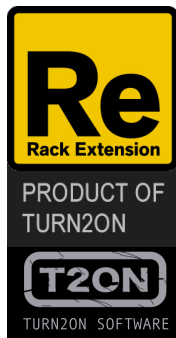
- AUDIO I/O** | Mono or Stereo connections for audio signals.
- CV INPUTS** | Use these CV inputs to control the main parameters by external CV source curves
- SIGNAL ROUTING** | TRUE STEREO SPREADING



DEEPRESO

BOG ANALOG BASS RESONANCE TOOL

Reason Studios Add-on Shop



Turn2on

Rack Extension Developer

contacts: <https://turn2on.com/>
support@turn2on.com

Thanks to all beta-testers



*Thank you very much for supporting us by choosing our products.
 This allows us to develop future interesting and creative effects / utilities / instruments in the Rack Extension format.
 We try to keep prices as low as possible. Don't hesitate to contact support with any questions regarding our
 products or to offer your own ideas for product updates or even new products you would like developed.*