

DERES User Manual



Welcome to DERES, the advanced plugin that will achieve the clarity you've been searching for in every track. DERES is designed to cleanse unwanted resonances that muddy and harsh the sound, detracting from its clarity and naturalness, across any type of audio signal in between 1kHz and 8kHz. What sets DERES apart is its ability to let you hear these interferences during the cleanup process, assisting you in selecting the correct frequencies before the actual processing. This pre-processing listening feature, combined with its user-friendly interface, greatly speeds up your workflow. DERES also operates according to the scientific and physical structure of sound harmonics, detecting resonances that are often masked within overlapping frequencies that even well-trained ears find challenging to discern. With DERES, issues that would typically be hard to detect become easily noticeable.

Getting Started

Install the Plugin: Please close your DAW first. When you download the installation files, double-click the package to install the plugin just like any other application. Start your DAW; it should scan the installed DERES and appear in your plugin list under the W.A. Production brand. Follow the installation instructions specific to your digital audio workstation (DAW).

Supported Formats: VST, VST3, AU, AAX, both Intel and Apple Silicon-based CPUs as well as Native AAX format. It should work on all major DAWs and 3rd party plugin-supported audio editors.

Trial: The plugin will fully function for 14 days. If you have purchased a license please click to “ACTIVATE” icon to activate the plugin. Follow the steps.

Let's dive in and find out what makes DERES so special?

LISTEN Button

Function: This button enhances your ability to discern frequencies in the sound you are working on by counter-boosting them according to the Q knob setting. It is designed to focus more on resonances that sustain rather than those that are momentary.

Usage: Press this button before using the FIND/REDUCE feature to ensure you are ready to hunt down resonances effectively.

FIND/REDUCE Knob

Function: This large dual-function knob on the DERES interface allows you to hear and eliminate resonant sounds that muddy/harsh sounds between 1kHz and 8kHz.

Usage: Use the outer part of the knob to locate the resonating frequency and the central part REDUCE section to diminish these resonances. If LISTEN is active, touching the REDUCE knob automatically deactivates it, a design choice intended to save you extra clicks and speed up the operation.

LOW CUT Knob

Function: We generally use a low cut (HPF) on all sounds except for those that occupy important low frequencies. This button provides the high-pass filter you need without forcing you to use another plugin.

Usage: Employ this feature to cut out non-essential low frequencies directly, simplifying your workflow.

Q Knob

Function: The Q, or Quality factor, is similar to the Q in traditional equalizers but fine-tuned here based on the magnitude and depth of resonances.

Usage: At setting 1, the Q value is broader; at 12, it is narrower. We find the sweet spot to be around setting 6, but you can adjust it to find the narrowness or breadth that suits your ear.

OCTAVE Knob

Function: When you find and reduce resonance with the FIND/REDUCE knob, most sounds will also contain relative harmonic components at lower volume levels than the main frequency. The OCTAVE knob allows you to reduce these harmonics in relation to the caught resonance.

Usage: After identifying a bothersome resonance frequency, use this knob to affect its harmonics as well.

DYNAMIC Knob

Function: DERES can operate either dynamically or statically in cleaning resonances. At 0, it is entirely static; at 100, it is completely dynamic.

Usage: This knob lets DERES intervene in the sound only where resonances occur, essentially acting as a WET/DRY knob between dynamic and static modes. Setting it to 50 results in a 50% dynamic and 50% static operation. If you set the REDUCE at -24dB, it will be relatively -12dB dynamic and -12dB static.

M/S Button

Function: If you want to direct DERES's resonance fighting capabilities in a MID/SIDE configuration, this button adjusts its resonance blocking system to intervene separately on MID and SIDE resonances.

Usage: Use this to manage resonances in MID and SIDE channels distinctly, enhancing the spatial quality of your mixes.

COMPENSATE Knob

Function: Cleaning up resonances can enhance clarity and naturalness but may also perceptually darken the sound due to human ear characteristics. This knob boosts frequencies adjacent to those cleared by resonance removal, brightening the sound if it feels too dark.

Usage: Adjust this to compensate for the potential darkening effect, ensuring your audio remains lively and bright with no unwanted resonances.

TONE Button

Function: This button quickly adjusts tonal balance in various layers of a song by applying convolution response, such as pads or strings and etc, which serve a supporting role and may not require as much prominence.

Usage: Use it to quickly fix the tonal balance of layers used mainly for support, removing unnecessary frequencies and improving overall sound quality.

EXCITE Knob

Function: Sometimes, resonances can be so disturbing that when you try to brighten the sound with a regular EQ, you inadvertently enhance these resonant frequencies as well, leading to a harsher sound. The EXCITE knob allows you to brighten and add 'AIR' to all sounds after the resonances have been cleaned.

Usage: You can use this on nearly every sound to enhance its presence and brightness after cleaning up any problematic resonances.

Other Controls

Presets: You can select pre-made presets or save your own categories and presets here.

Reset: Resets all parameters to their default settings. **Please note:** when you click it, you cannot take the action back. It simply resets all parameters.

Oversampling OFF 2X 4X: Activates 2 or 4 times linear oversampling. This will increase CPU usage. Most of the time, you won't need it as unwanted aliases are minimal in Deres. It's not a critical feature in DERES, but it's there just in case.

ON/OFF: This button bypasses the plugin.

INPUT: This knob adjusts the incoming signal into the plugin.

OUTPUT: This knob adjusts the output signal out of the plugin.

COPY, A, B, UNDO, REDO: These are self-explanatory controls for testing 2 different settings or undoing/redoning actions. **Please note:** when you click the **Reset** button, you cannot UNDO or REDO. It simply resets the entire state of the plugin by design.

Conclusion

Use the DERES audio plugin effectively to enhance your audio production and mixing tasks. Familiarize yourself with each function and explore how they can improve your audio projects. Once you are familiar with DERES it will become one of your go-to plugins you cannot live without.