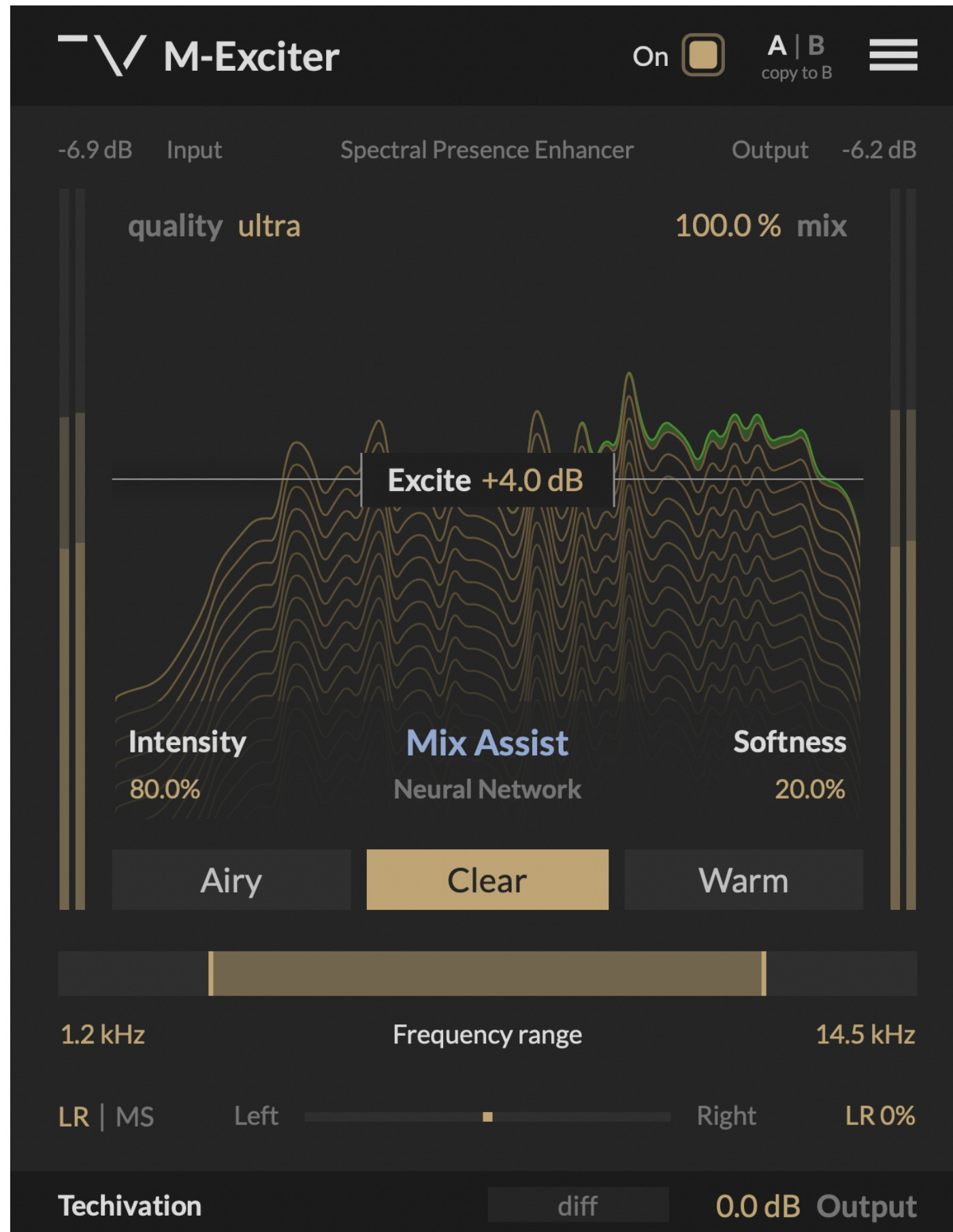


Techivation M-Exciter

User Manual



Techivation M-Exciter

Overview

M-Exciter is a mastering-grade processor that adds presence and brightness to any source, without any harshness or distortion. It uses advanced spectral processing to ensure that the high frequency energy is added only where it's needed, when it's needed.

M-Exciter operates by generating new overtones for the fundamental tones in your input. The new harmonic content is always generated based on the full range of your audio, but you can set the frequency range in which the new harmonics are added. The harmonics are spectrally blended in with perfect phase preservation, which means that your transients retain all of their original punch and impact.

You can further boost the generated harmonics to find the perfect amount of high-end sheen for your mix. Our spectral suppression technology, pioneered in M-Clarity and M-De-Esser, will make sure that the added high-frequency energy never becomes overbearing.

The result is a natural harmonic extension of the original audio beyond what's possible with just saturation or an EQ.

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Features

- Excite
- Spectrum visualiser
- Intensity
- Softness
- Airy/Clear/Warm
- Frequency Range
- Quality
- Mix
- Output
- Diff
- LR/MS and Stereo Balance
- Level meters
- Internal On-Off Switch
- Internal Menu
- Presets
- Scaleable GUI
- Guided Tour
- A/B Switch
- Undo-Redo Options
- Show/Hide Tooltips
- Stereo and Mono

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[Features](#)

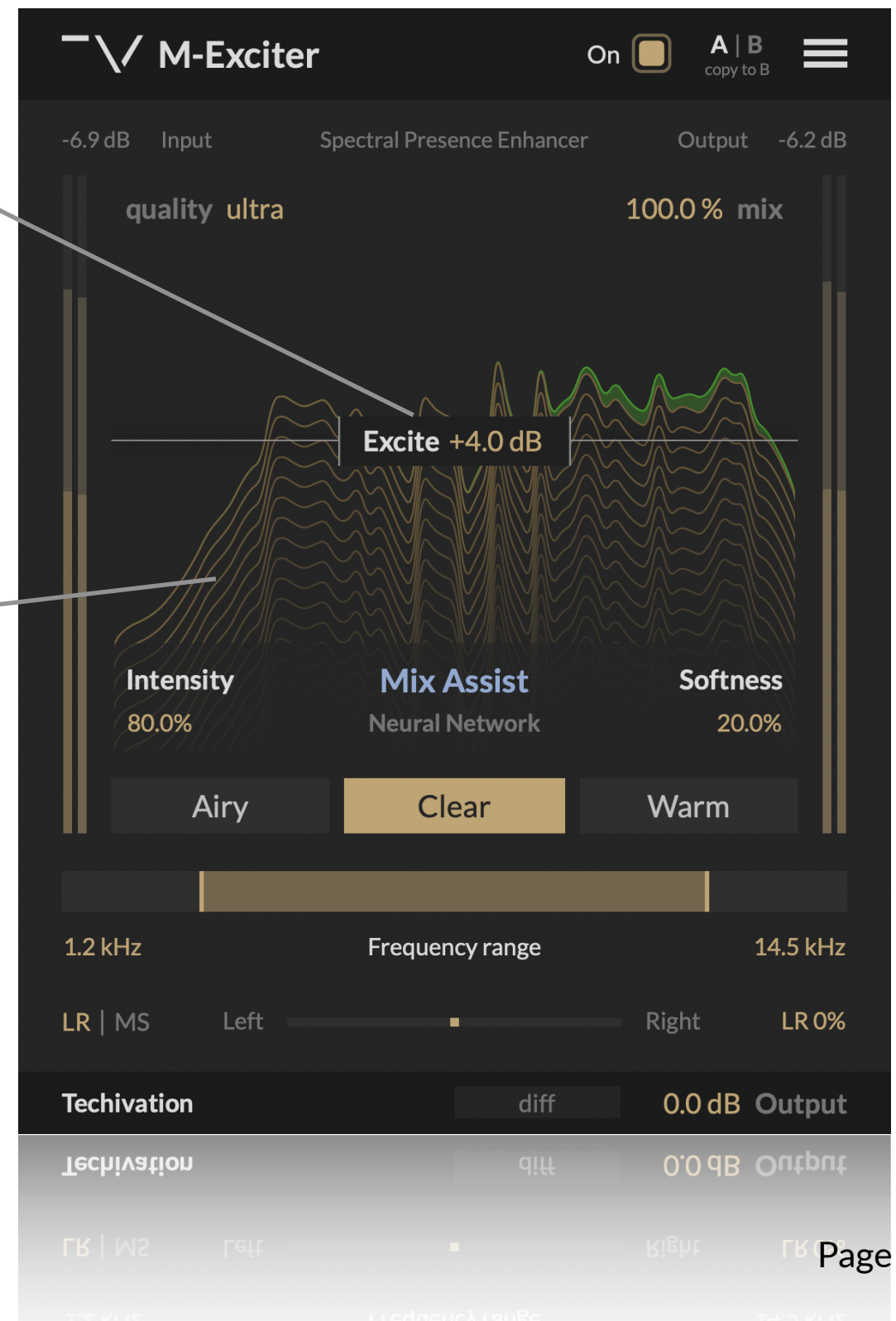
Excite

“Excite” sets the boost amount in decibels for the generated harmonics in the selected frequency range. Higher “Excite” values result in more presence and brightness added to your track.

At 0.0 dB, harmonics are still generated, but not boosted.

Spectrum visualiser

The built-in spectrum visualiser helps you see the changes M-Exciter is doing to your audio in real time. It shows the input spectrum in gold, and the added harmonics in green.



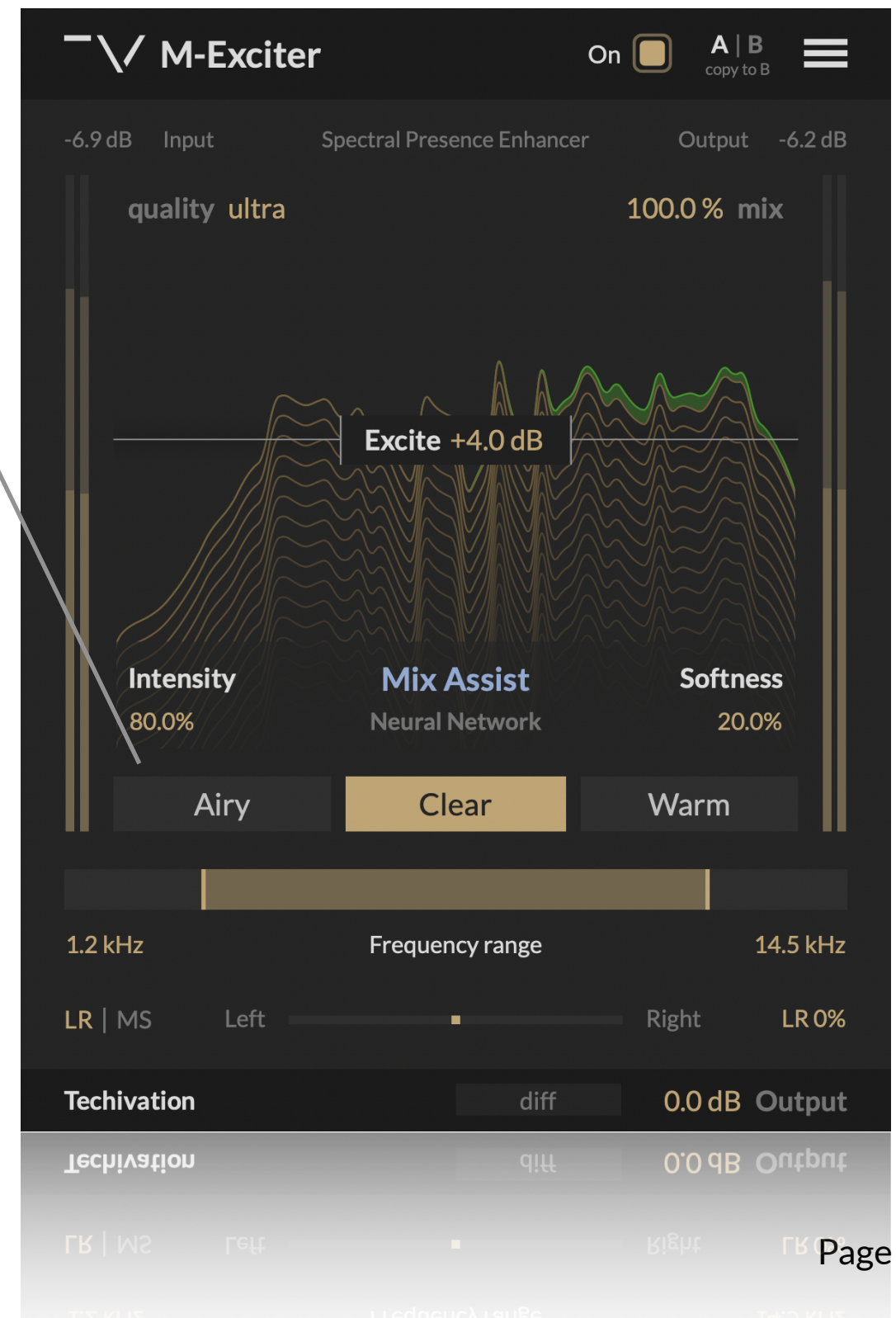
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[Features](#)

Airy/Clear/Warm

With the “**Airy/Clear/Warm**” buttons, you can choose the character of the harmonics added by the plug-in.

- “**Warm**” harmonics are stronger and more pronounced.
- “**Airy**” harmonics are more subtle and have a breathy quality to them.
- “**Clear**” harmonics strike the balance between the other two options, offering an open and lush sound.



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[Features](#)

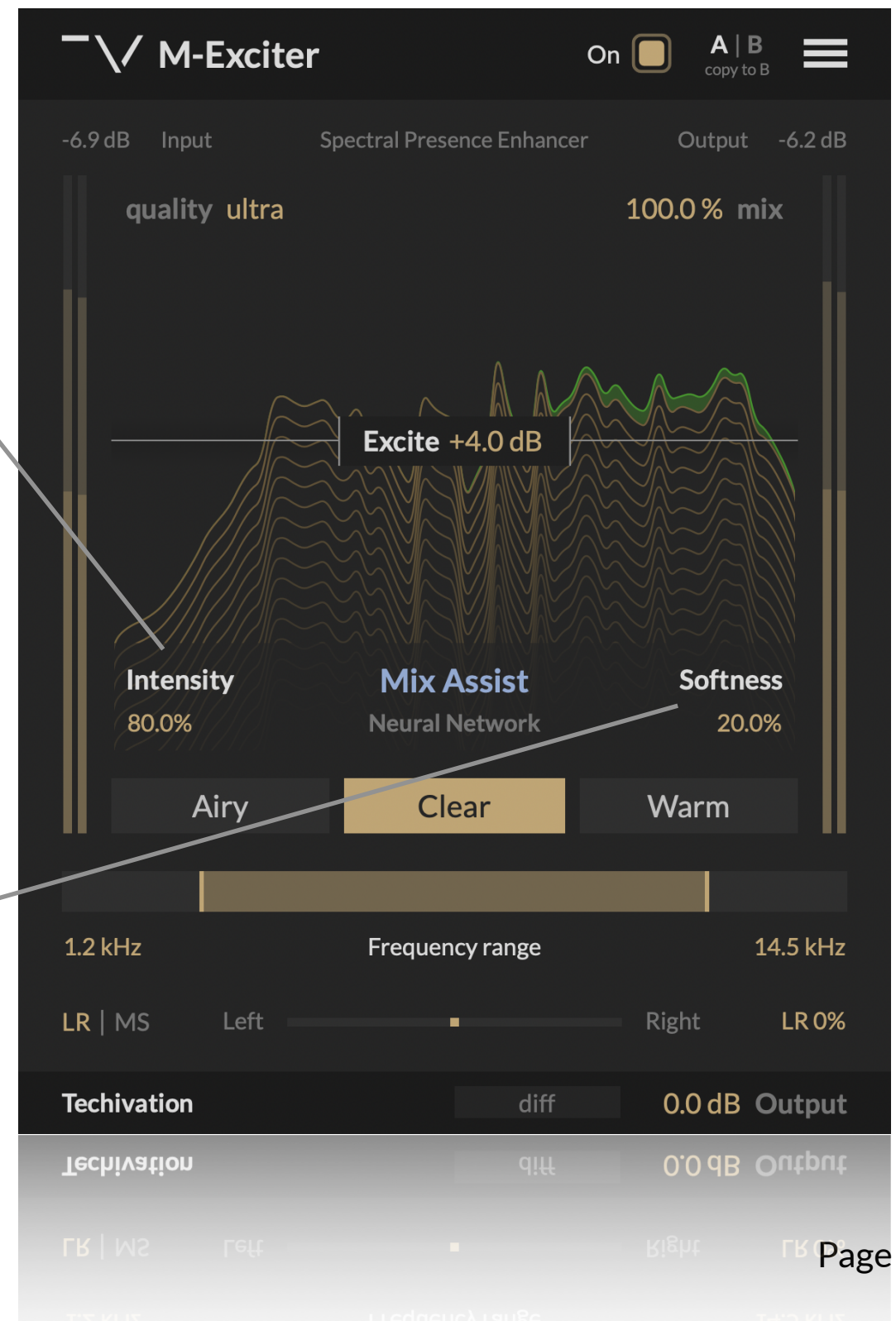
Intensity

“**Intensity**” controls the intensity of harmonics generated in the selected frequency range. Higher “Intensity” values result in denser, richer overtones generated by the plug-in, while lower values produce a more subtle effect.

Softness

“**Softness**” limits the amount of energy M-Exciter can add to the selected frequency range. This control ensures that harmonics are only added to the signal when needed, preventing the output from sounding harsh or brittle.

Internally, “Softness” sets the relative threshold for dynamic spectral suppression of the harmonics. This suppression only affects the spectral content generated by M-Exciter, so the output can never be less bright than the original signal.



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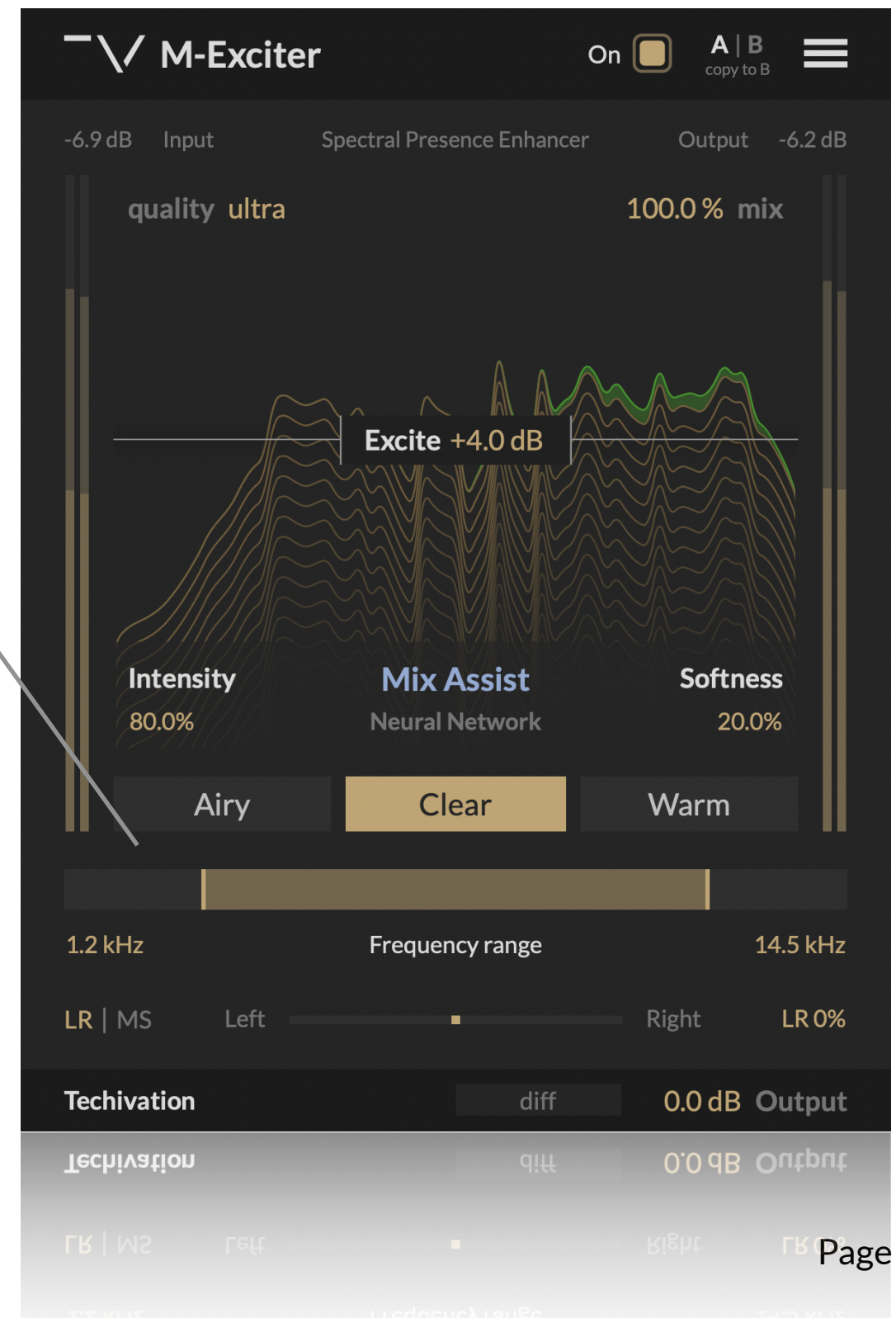
[Features](#)

Frequency range **Part 1**

Use the “Frequency range” slider to choose the range in which harmonics are added. It lets you control where M-Exciter will boost presence and brightness of your track.

The lower end of the “Frequency range” slider determines the frequency above which high-frequency content generated by M-Exciter is added. When setting this value, it is important to ensure that the generated harmonic content blends well with the original signal. You can use “Mix Assist” to automatically set it to an optimal value based on the spectral profile of your track.

The upper end of the “Frequency range” slider would be usually left in its maximum position. However, you can lower it for a darker sound.



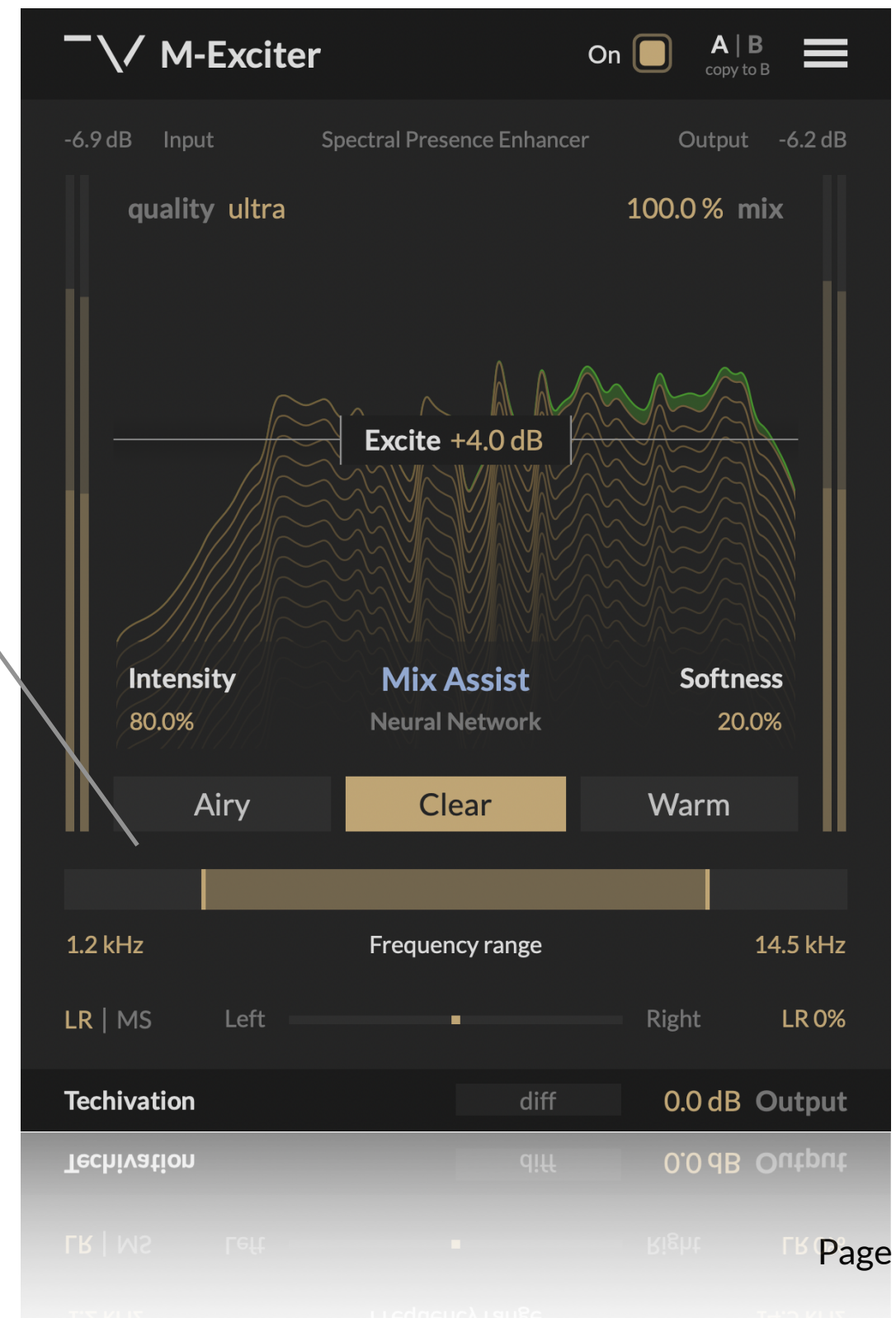
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Frequency range Part 2

M-Exciter uses the full range of the input signal to generate harmonics, and then spectrally blends them only in the selected “Frequency range”. This means that the “Frequency range” selection does not affect the harmonics generation, it only chooses which of the generated harmonics to add to the track.

Spectral blending of added harmonics ensures that there are no phase issues and the transient punch is perfectly preserved.

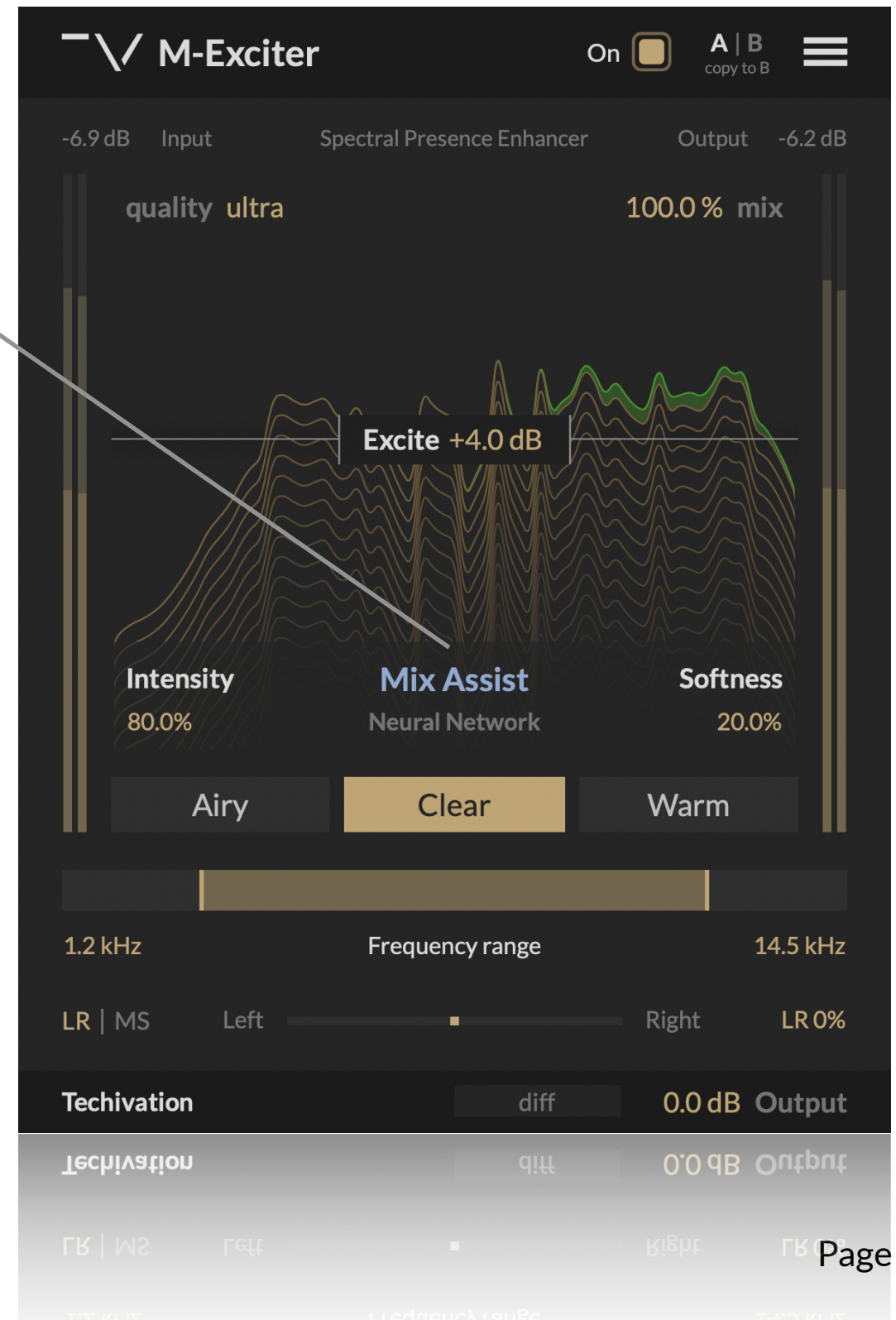


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[Features](#)

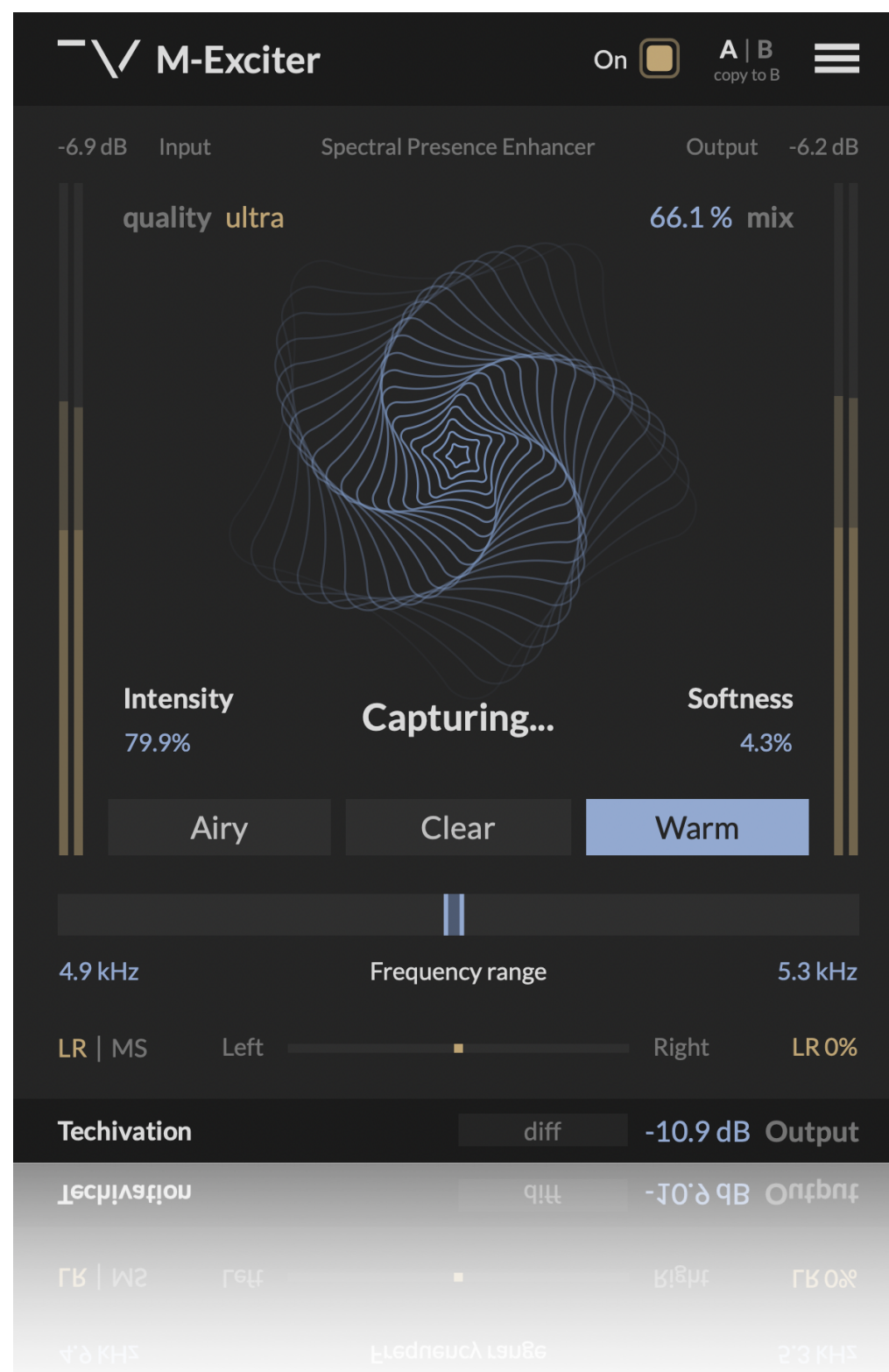
Mix Assist

The “**Mix Assist**” button enables the plug-in to capture and analyse the input and intelligently set the processing parameters. M-Exciter will capture 3.5 seconds of audio for the analysis. Be sure to play the busiest part of your track when capturing to get the best results.



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Features



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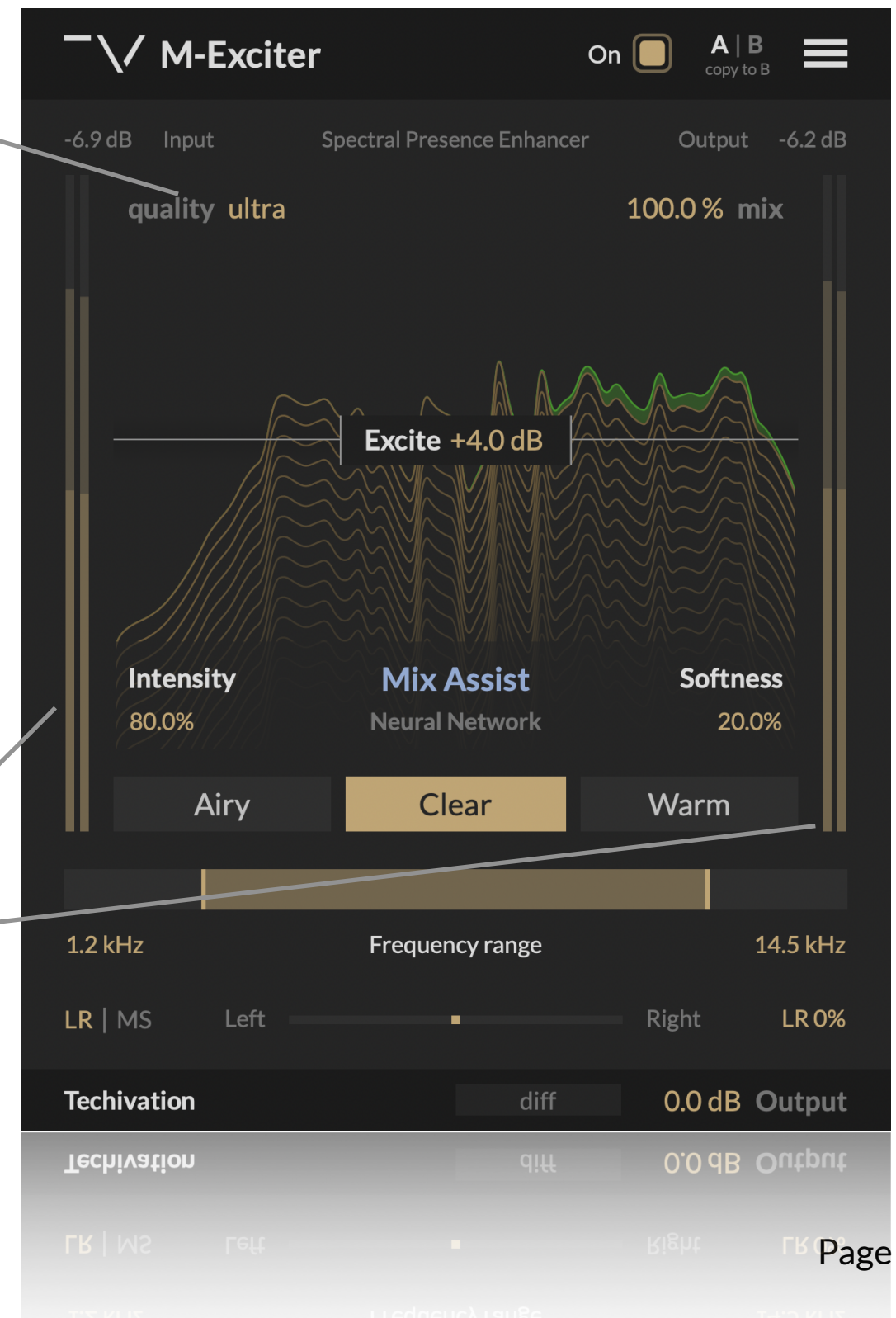
[Features](#)

Quality

By clicking "quality", you can select the optimal oversampling setting based on your individual needs and system capabilities, balancing the trade-off between processing power and audio quality. While higher oversampling rates provide better results, they also require more processing resources. Consequently, the choice of oversampling quality should be made with consideration for the available computational power of your system to ensure efficient operation and optimal performance.

Input-Output Level Meters

Input and Output meters show the audio levels of the signal before and after processing in real time.



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Mix

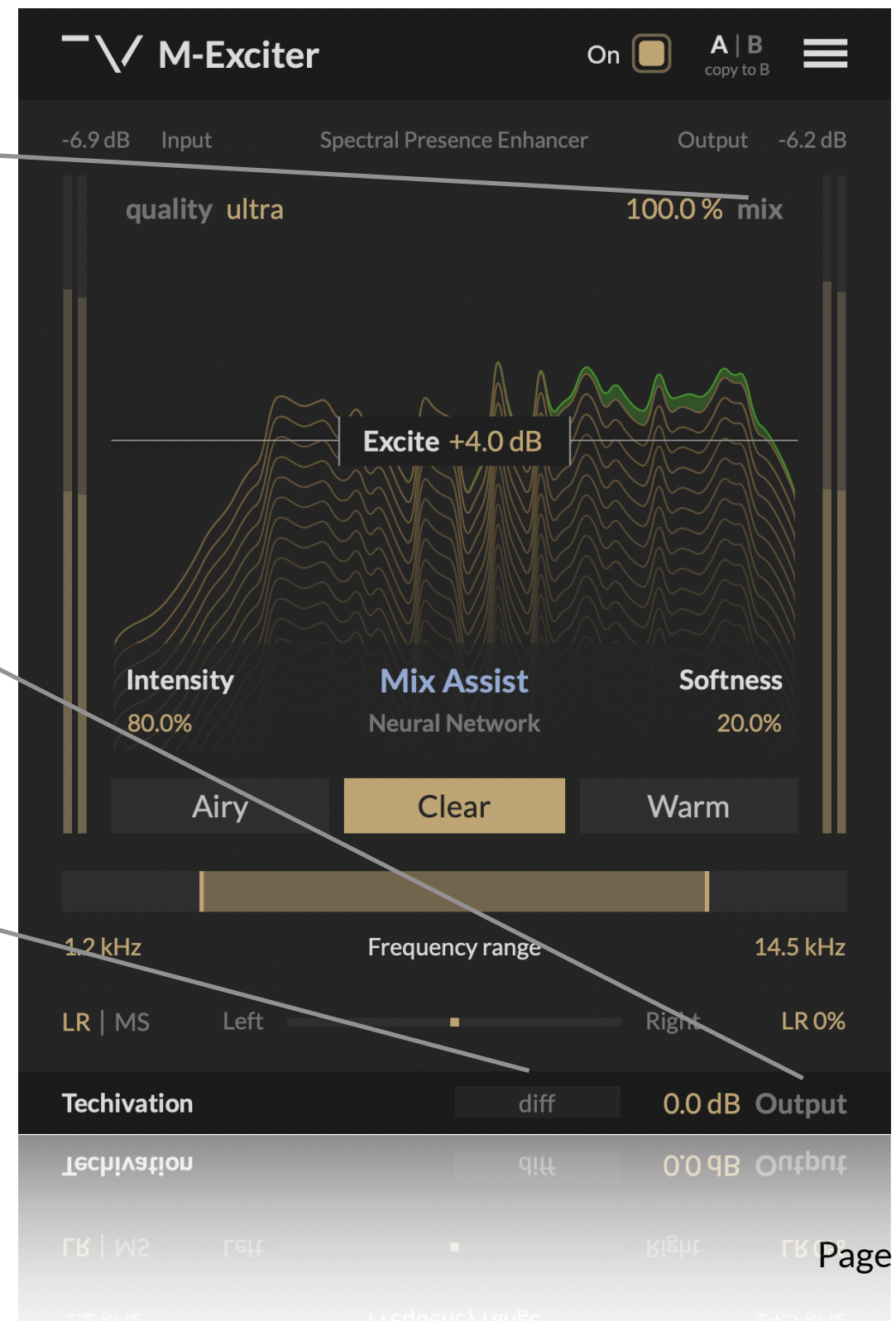
The “mix” control allows you to blend between the processed and the original signals, giving you quick access to parallel processing.

Output

“Output” controls the amount of clean gain applied to the processed signal.

Diff

The “diff” button enables you to listen to the difference between the processed and original signals. This allows you to audibly perceive the spectral additions made by the plug-in, making it easier to fine-tune its parameters.

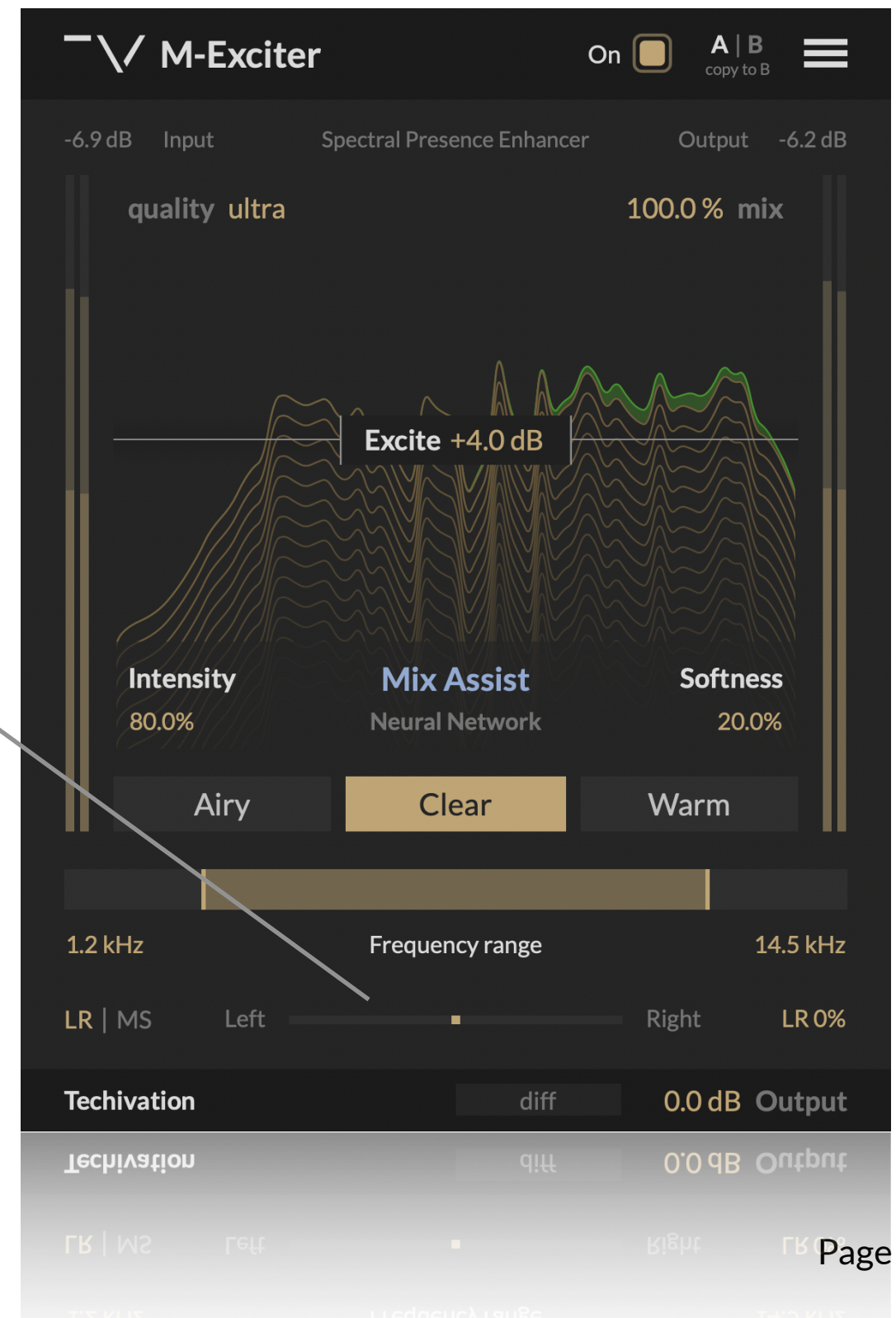


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[Features](#)

Left-Right / Mid-Side

The “**Left-Right / Mid-Side**” section of M-Exciter allows you to switch processing between LR (left-right) and MS (mid-side) modes, and control the balance of the plug-in's effect on the stereo channels. In LR mode, the plug-in processes the left and the right channels independently. If you need to preserve the stereo balance of your track, switch the processing to MS mode. You can switch the mode by clicking on “LR | MS” on the left side of the balance slider, and set the amount either by dragging the slider, or double-clicking and typing the percentage value.



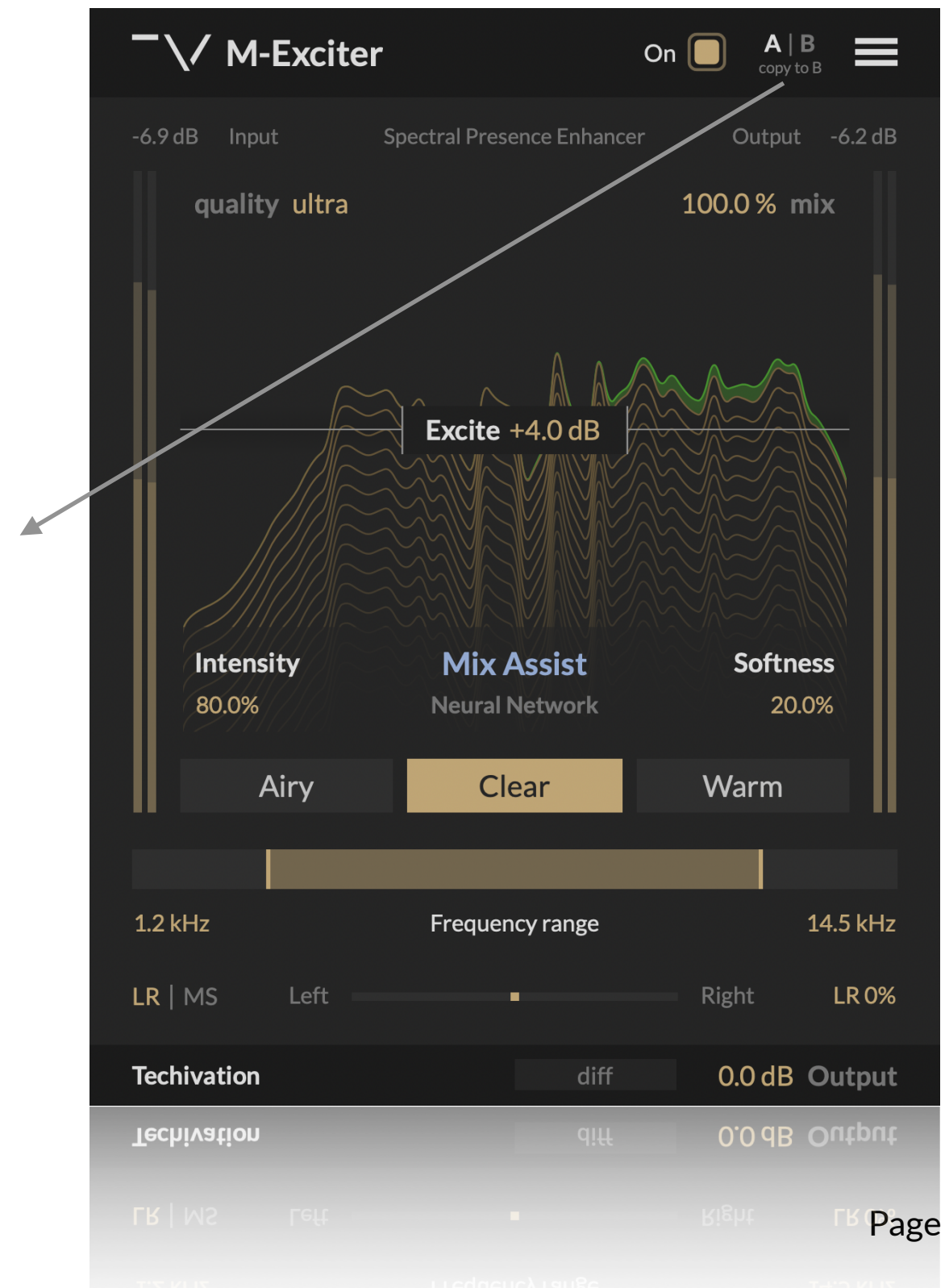
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[Features](#)

A | B Comparison

The A/B buttons provide a convenient way to compare different options and find the optimal setting for your audio processing needs. With just a click, you can easily switch between two different versions of the same processing chain and compare the results. Moreover, the "Copy A to B" and "Copy B to A" functions enable you to quickly test small tweaks and adjustments by copying the settings from one version to the other and comparing their effects.

By using the A/B buttons in conjunction with the "Copy" functions, you can efficiently assess subtle variations in your processing and make informed decisions on the best approach to take. This streamlined workflow saves you time and effort, allowing you to focus on the creative aspects of your mix.



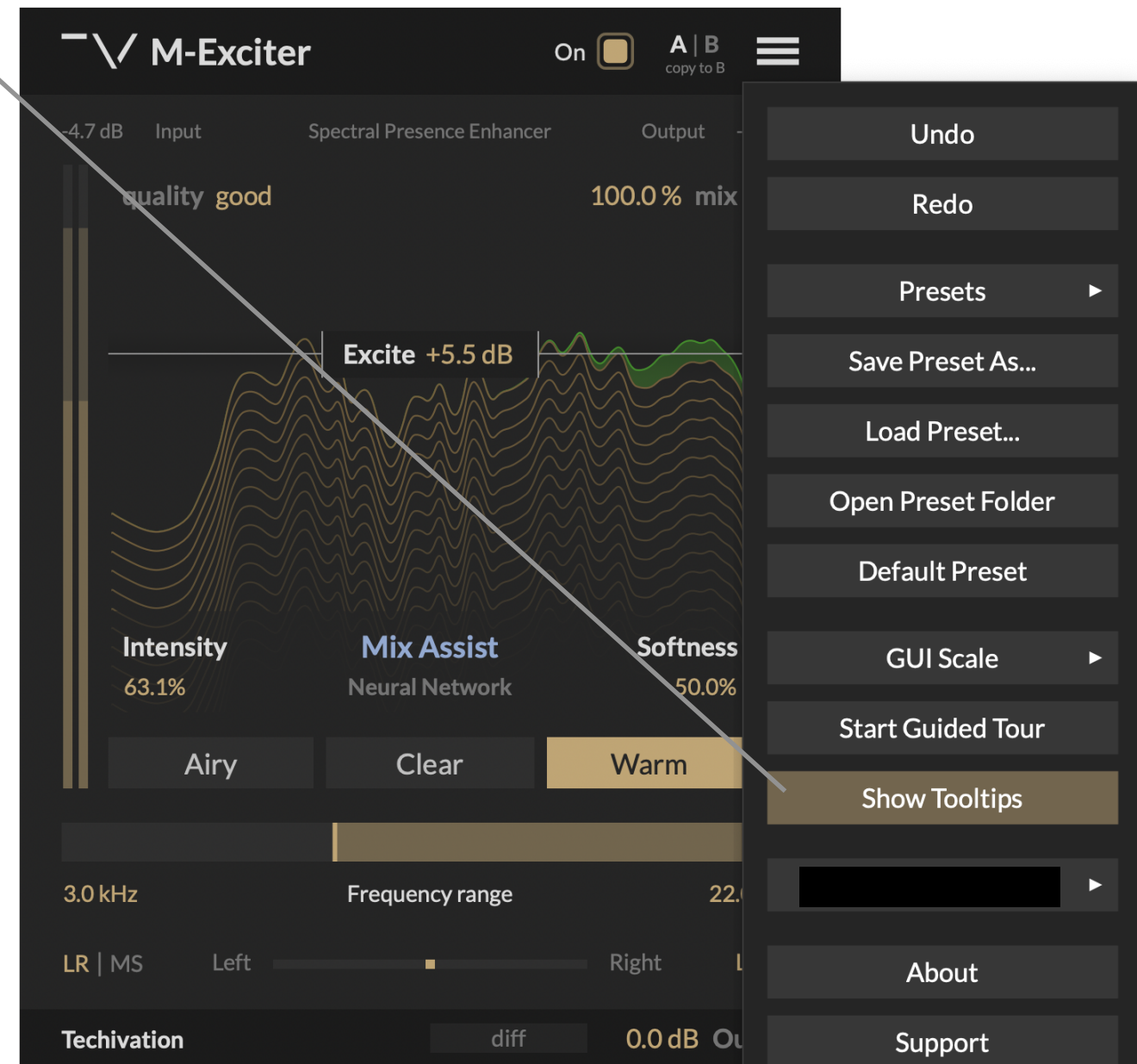
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[Features](#)

Tooltips

M-Exciter features a handy "tooltips" option that you can enable or disable from the plug-in's menu. When this option is enabled, you can see a brief description of each part of the user interface by simply holding your mouse over that particular section. Tooltips are an excellent way to quickly learn about the various controls and settings in the plug-in, making it easier to navigate and use the interface effectively.

They can provide helpful information about each parameter, including its function, range, and how it affects the audio signal. Enabling the tooltips option is a great way to speed up your workflow and make it easier to work with the M-Exciter plug-in. If you are not sure what a particular control does, simply hover your mouse over it to get a quick and informative tooltip.



Techivation M-Exciter

[Features](#)

Presets

The plug-in offers the convenience of loading pre-existing presets as well as creating and saving your own custom presets using the menu located in the top-right corner.

This feature enables you to quickly access and apply a variety of settings tailored to specific mixing needs, streamlining your workflow and providing a consistent starting point for your audio processing tasks.

Additionally, by saving your own custom presets, you can easily recall your preferred settings across different projects, ensuring a cohesive and efficient approach to your audio production.

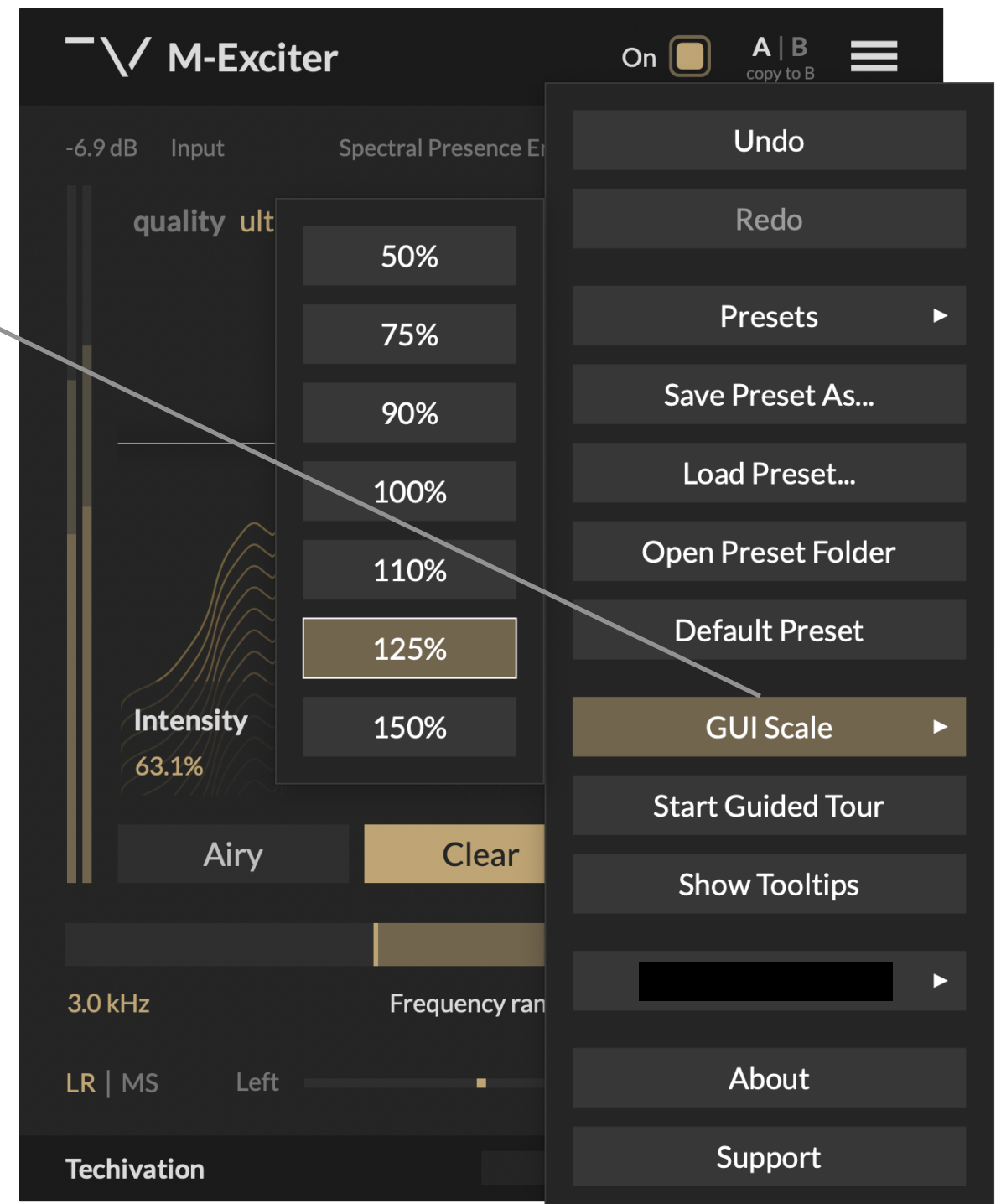


Techivation M-Exciter

[Features](#)

GUI Scale

The interface scaling feature in M-Exciter allows you to customise the size of the GUI to suit your preferences and optimise your workflow. With a range of scaling options available, from 50% to 150%, you can personalise the interface to match your visual and working style. One of the great things about this feature is that the visual quality of the plug-in remains consistent, regardless of the scale you choose. This ensures that the interface remains clear and legible, even when scaled up or down to fit your preferred viewing size. Additionally, the interface scaling feature in M-Exciter is optimised for high-end quality monitors, including retina displays, ensuring that the plug-in looks great and performs reliably on a variety of devices.



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[Features](#)

Undo/Redo

The M-Exciter plug-in comes equipped with the handy feature of built-in “**Undo**” and “**Redo**” options, providing added peace of mind while working on your audio processing. With these functions, you can easily revert to previous settings or redo changes that were made in error, saving time and eliminating the stress of potentially losing valuable adjustments.

The “Undo” and “Redo” options allow you to experiment with different settings and configurations without the fear of permanently altering your audio. Additionally, this feature enhances your workflow by providing an efficient way to backtrack and explore alternative processing paths, enabling you to make more informed decisions in your audio production.



Techivation M-Exciter

Features

Plug-in Menu

A quick menu of useful features:

- Undo
- Redo
- Presets
- Save Preset As...
- Load Preset...
- Open preset folder
- Default Preset
- GUI Scale
- Start Guided Tour
- Show/Hide Tooltips
- [Your email]/Sign in
- About
- Support



Techivation M-Exciter

Compatibility

Plugin formats: VST, VST3, AU, AAX.

Platforms supported: Mac OS X 10.15 (Catalina) or higher Intel processors, and Apple Silicon Chips.

Windows 7 and up. 64 bits.

DAWs supported: Ableton Live, Logic Pro, Avid Protools, FL Studio, Studio One, Cubase, Nuendo, Reaper, and other major DAW softwares on the market.

Activation

M-Exciter requires a purchased license from our website, to get activated according to our [terms and conditions](#). As soon as you purchase a license from us, you will automatically have your Techivation account activate the plug-in for you, after you sign in to the plug-in. Everyone with one purchased license can use the plug-in on a maximum of two machines at the same time.

Support

For any support inquiries check out techivation.com/support

Check out techivation.com/terms-conditions to learn more about the rights.

If you have any questions, feel free to reach out to us via email. info@techivation.com or techivation@gmail.com

Installation

If you purchase a [M-Exciter](#) license, you can sign in to the plug-in to activate, and use it for a lifetime.

A software download is supplied with your sign-up/purchase, however you can always go to Techivation.com for the latest software updates.

After downloading, unzip the file and select either Mac or PC installer depending on your system. (Warning: do not run the PC file on a Mac and vice-versa).

- Mac: Double click on the PKG installer and follow the instructions
- PC/Windows: Extract the file content. Double click on the setup file and follow the instructions

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Uninstall Locations

MAC OS

AU: /Library/Audio/Plug-ins/Components/

VST: /Library/Audio/Plug-ins/VST/

VST3: /Library/Audio/Plug-ins/VST3/

AAX: /Library/Application Support/Avid/Audio/Plug-Ins/

Other data: ~/Library/Application Support/Techivation

WINDOWS

VST: Custom path from installer

VST3: \Program Files\Common Files\VST3\

or \Program files(x86)\Common Files\VST3

AAX: \Program Files\Common Files\Avid\Audio\Plug-Ins\

Other data: C:\ProgramData\Techivation "Note: this folder is hidden so you need to change your settings to see the hidden files first."