

# Techivation M-De-Esser

## User Manual

# M-De-Esser

On  A | B copy to B 

air 50.0% 100.0% mix

-0.1 dB -0.1 dB

Input Level Output Level

Gain 0.0 dB Sensitivity 70.0%

diff filter

Strength 50% Softness 50% Fast Med Slow

3.5 kHz Frequency range 20.0 kHz

LR | MS Mid Side MS 0%

Techivation Spectral De-Esser



# Techivation M-De-Esser

## Overview

Presenting the M-De-Esser, an innovative audio tool equipped with spectral shaping technology. This powerful plugin aims to reduce harshness and sibilance from audio sources with impressive transparency and accuracy, resulting in a well-balanced and polished sound output.

The M-De-Esser is designed to cater to a diverse range of users, including audio engineers, music producers, podcast creators, voiceover artists, and more groups of creators.

Its user-friendly interface allows for intuitive control and customisation of the de-essing process, making it easy for users to achieve their desired audio results effortlessly.

By incorporating the M-De-Esser into your workflow, you can experience significant improvements in your recordings, leading to a refined high-end frequency balance. This tool helps in minimising unwanted artefacts, providing a smoother and more natural sound output.

Learn more: <https://techivation.com/m-de-esser/>

# Techivation M-De-Esser

## Features

- Sensitivity
- Strength
- Softness
- Fast Mode
- Med Mode
- Slow Mode
- Air Control
- Dry/wet Mix
- Frequency Slider
- Diff
- Filter
- Input-Output Level Meters
- Mid-Side and Left & Right
- Gain Control
- Internal On-Off Switch
- A/B Switch
- Undo-Redo Options
- Scaleable Graphic User Interface (GUI)
- Internal Menu
- Show/Hide Tooltips
- Stereo and Mono
- Presets

# Quick User Guides

**Sensitivity:** Controls the threshold of spectral compression. The threshold for the selected frequency range is set relatively to the overall signal level. Thus, the plugin operation is independent of the input level.

**Strength:** Controls the ratio and the maximum gain reduction of spectral compression.

**Softness:** Controls the amount of spectral smoothing and the soft knee width of spectral compression.

**Fast Mode:** Sets the response speed to prioritise preserving transients over smoothing the processing in time.

**Medium Mode:** Sets the response speed to balance preserving transients with smoothing the processing in time.

**Slow Mode:** Sets the response speed to prioritise smoothing the processing in time over preserving transients.

**Air:** Boosts the presence of the selected frequency range by mixing in additional harmonics.

**Mix:** Controls the dry/wet balance of the plugin.

**Frequency Slider:** This slider allows you to find and select the frequency range containing unwanted issues, which the plugin will then enhance for you.

**Diff & Filter:** These buttons let you to hear the difference between the original and processed audio signals, helping you fine-tune the adjustments being made to the frequencies.

**Mid-Side and Left & Right:** This feature allows you to control the amount of the plug-in's effect on the mid and side channels, or the right and left channels of your stereo tracks.

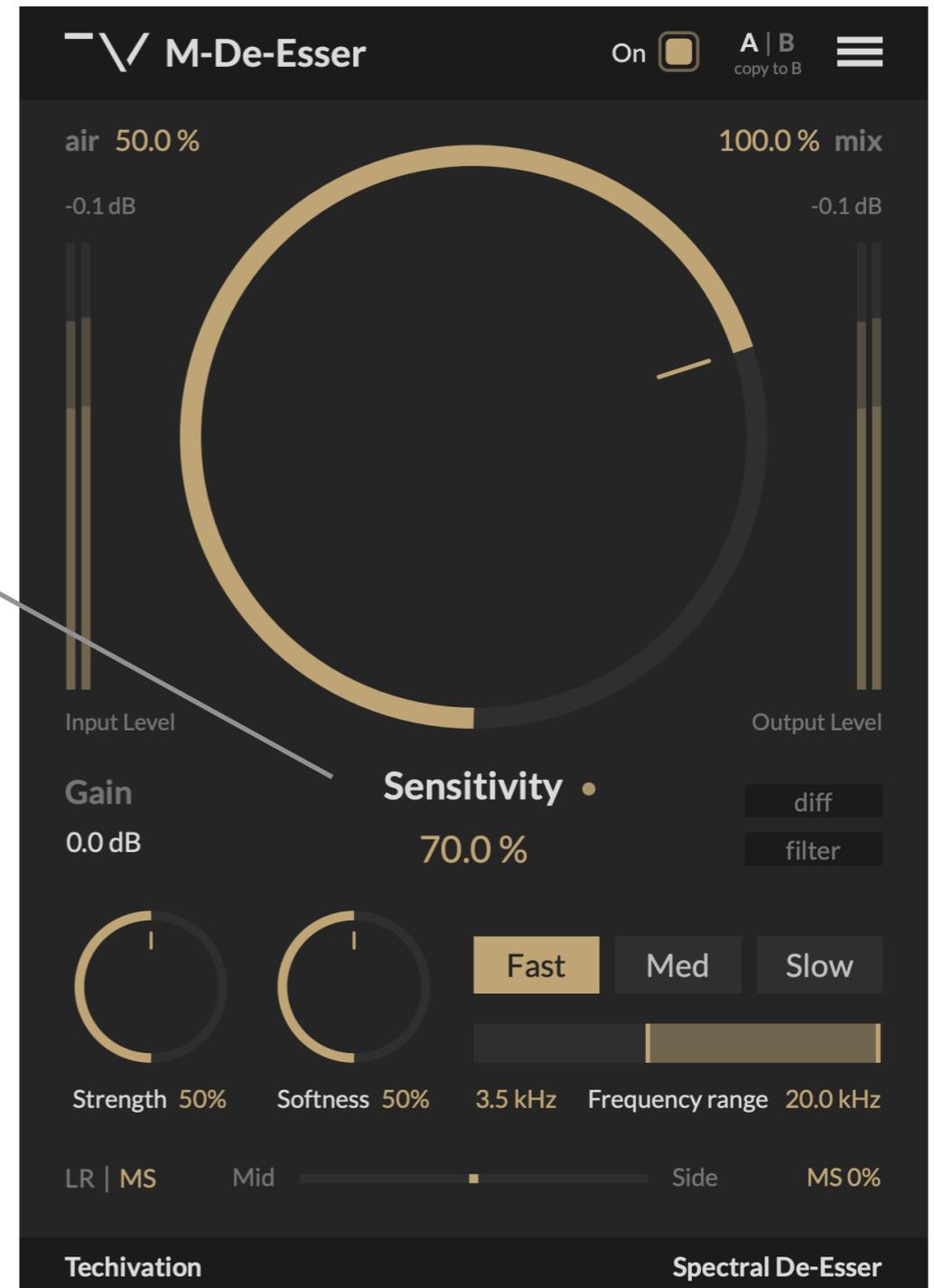
# Techivation M-De-Esser

Features

## Sensitivity

The M-De-Esser features a 'Sensitivity' control that adjusts the threshold of spectral compression. This setting is independent of the input level, ensuring consistent performance.

With precise control over specific frequency ranges, you can effortlessly reduce harshness and sibilance, achieving a balanced and polished sound without affecting the overall signal level. Whether you're a seasoned professional or just starting, the intuitive interface makes it easy to fine-tune the threshold and achieve exceptional results in your audio processing.



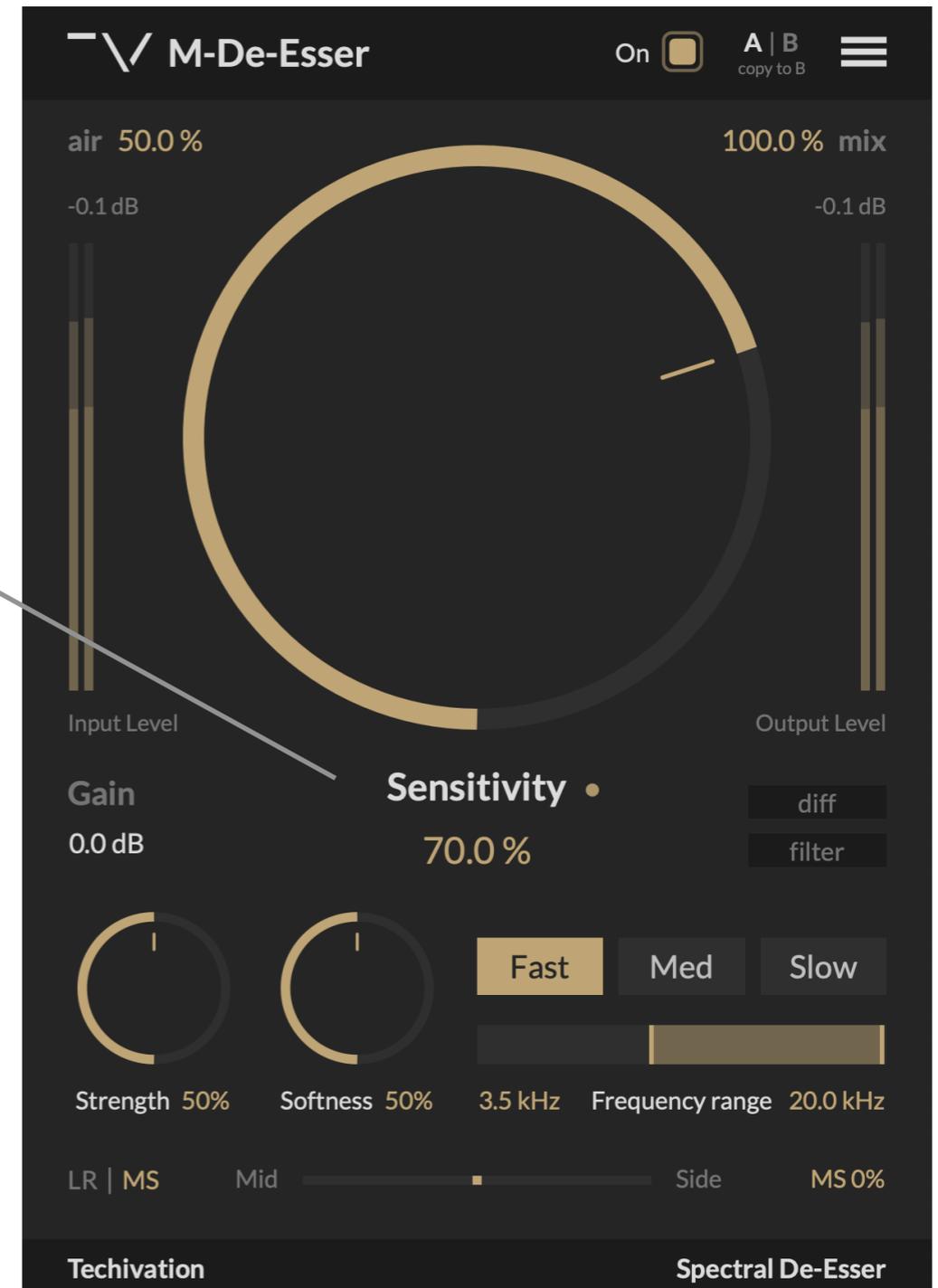
# Techivation M-De-Esser

Features

## Sensitivity

### Quick tips:

- Double clicking on the Sensitivity knob will take it back its default value. (50%)
- You can change all parameters by hovering over them and using your mouse wheel.
- Double clicking on the number allows you to type in the values from 0 to 100.



The screenshot shows the Techivation M-De-Esser plugin interface. At the top, there's a toggle for 'On' and a 'copy to B' button. The main display features a large circular knob for 'Sensitivity' set to 70.0%. To the left and right of this knob are vertical level meters for 'Input Level' and 'Output Level', both showing -0.1 dB. Below the Sensitivity knob, there are buttons for 'diff' and 'filter'. Further down, there are two smaller circular knobs for 'Strength' (50%) and 'Softness' (50%), and a horizontal slider for 'Frequency range' (3.5 kHz to 20.0 kHz) with 'Fast', 'Med', and 'Slow' buttons. At the bottom, there are stereo field controls for 'LR | MS', 'Mid', 'Side', and 'MS 0%'. The interface is dark-themed with gold and white accents.

# Techivation M-De-Esser

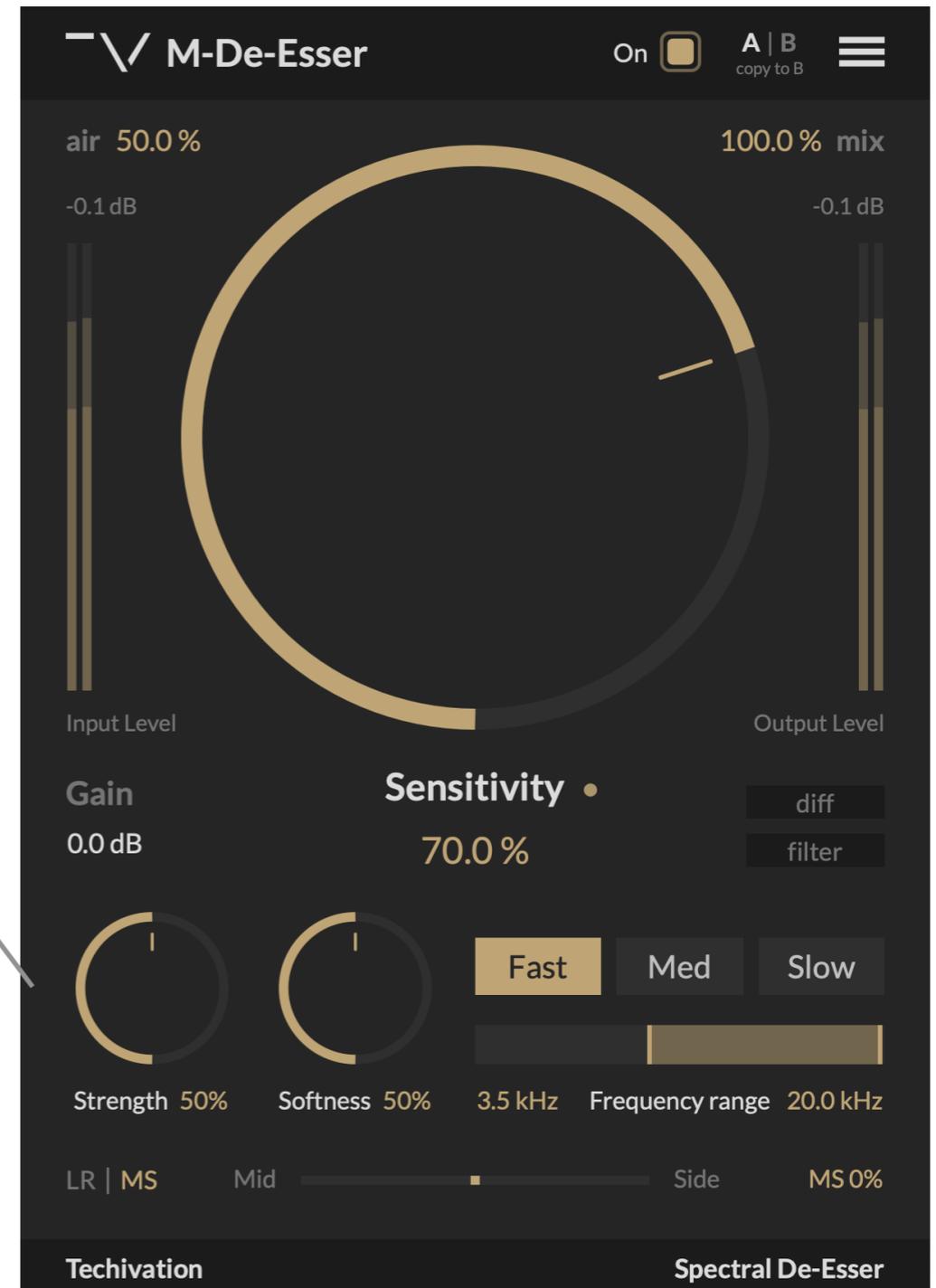
Features

## Strength

The M-De-Esser features the 'Strength' control, which allows precise adjustment of the ratio and maximum gain reduction for spectral compression.

This dynamic feature enables you to find the perfect balance between reducing harshness and preserving the natural qualities of your audio, giving you the flexibility to achieve the desired results with ease.

Whether you prefer a subtle touch or a more pronounced effect, the Strength control empowers you to tailor the de-essing process to suit your specific audio needs, resulting in a polished and balanced sound output that enhances your tracks.



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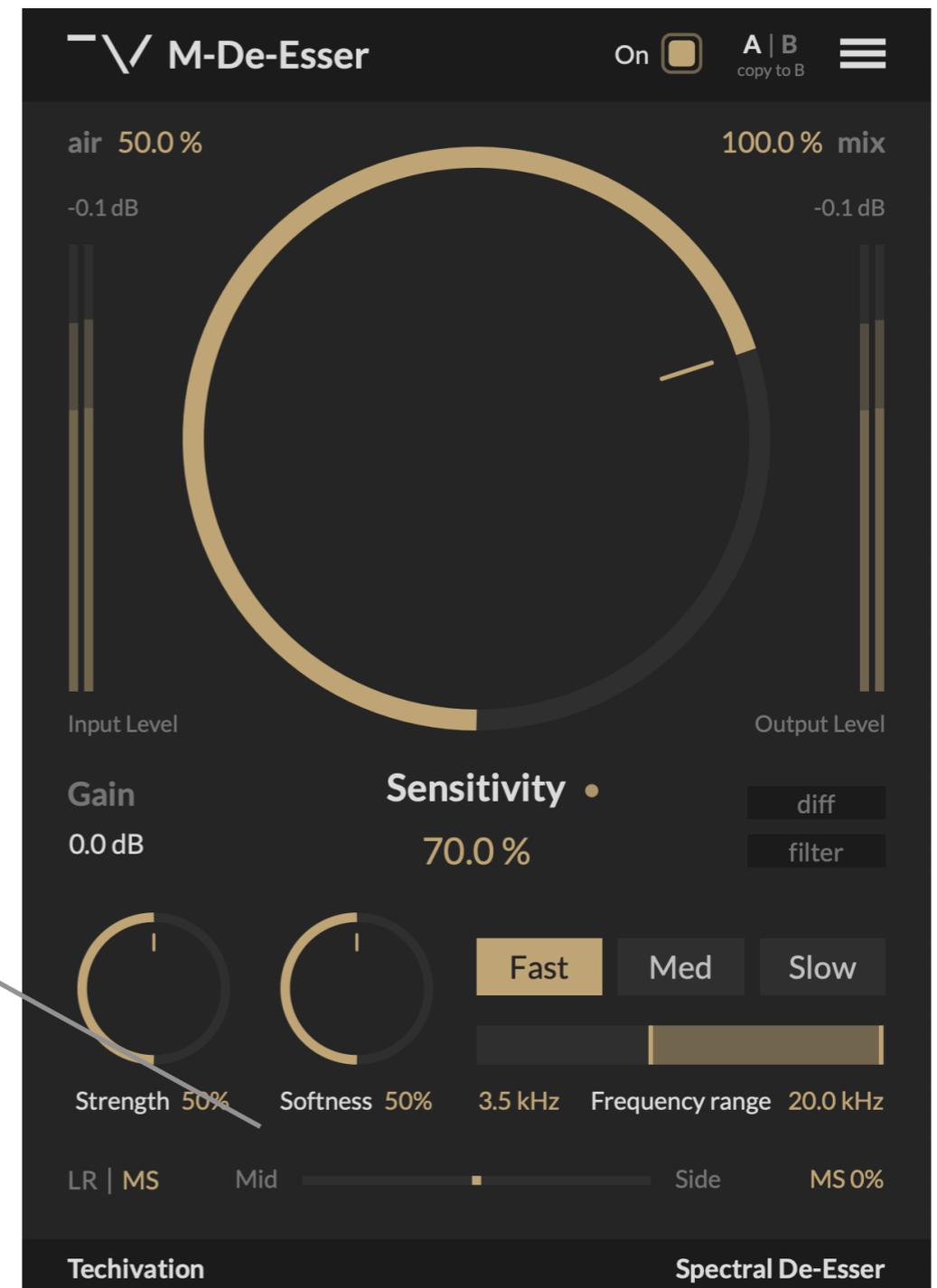
Features

## Softness

In the M-De-Esser, the 'Softness' control is a versatile parameter that governs both the degree of spectral smoothing and the width of the soft knee for spectral compression.

With this powerful tool at your disposal, you can achieve a more refined and seamless de-essing process, ensuring a smoother reduction of harsh frequencies while maintaining the natural dynamics of your audio.

The 'Softness' control allows you to strike the perfect balance between precision and subtlety, making it an indispensable asset for creating a polished and professional sound output that leaves a lasting impression on your listeners.



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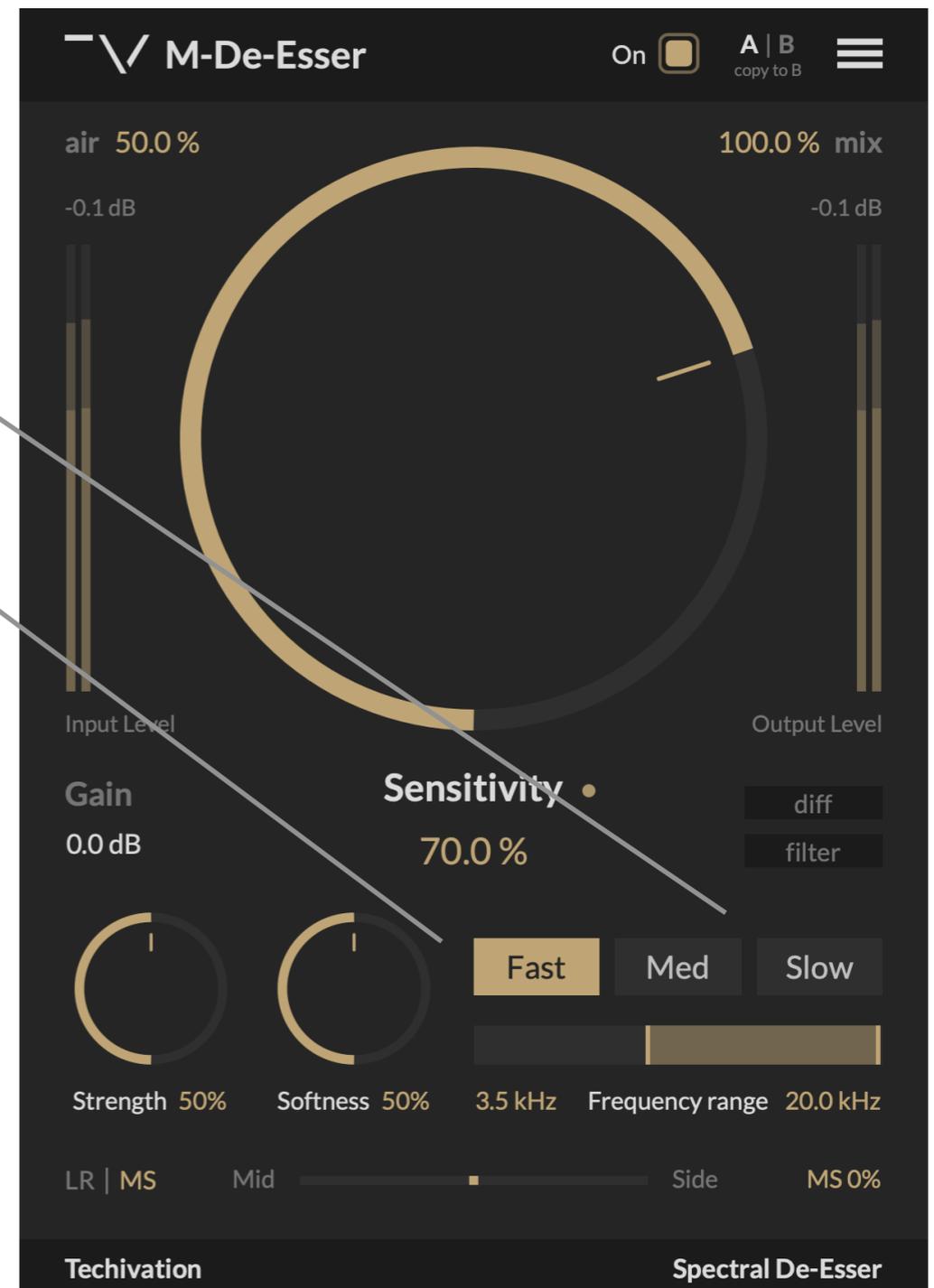
Features

## Fast Mode

With the 'Fast' mode in the M-De-Esser, you gain the ability to set the response speed to prioritise preserving transients over smoothing the processing in time.

This invaluable feature ensures that the plugin acts swiftly and accurately in addressing harsh frequencies while retaining the natural dynamics of your audio.

By opting for the 'Fast' mode, you can maintain the crispness and impact of transients, resulting in a clean and unobtrusive de-essing process that seamlessly integrates with your original sound, making it an ideal choice for scenarios where preserving the integrity of transients is of paramount importance.



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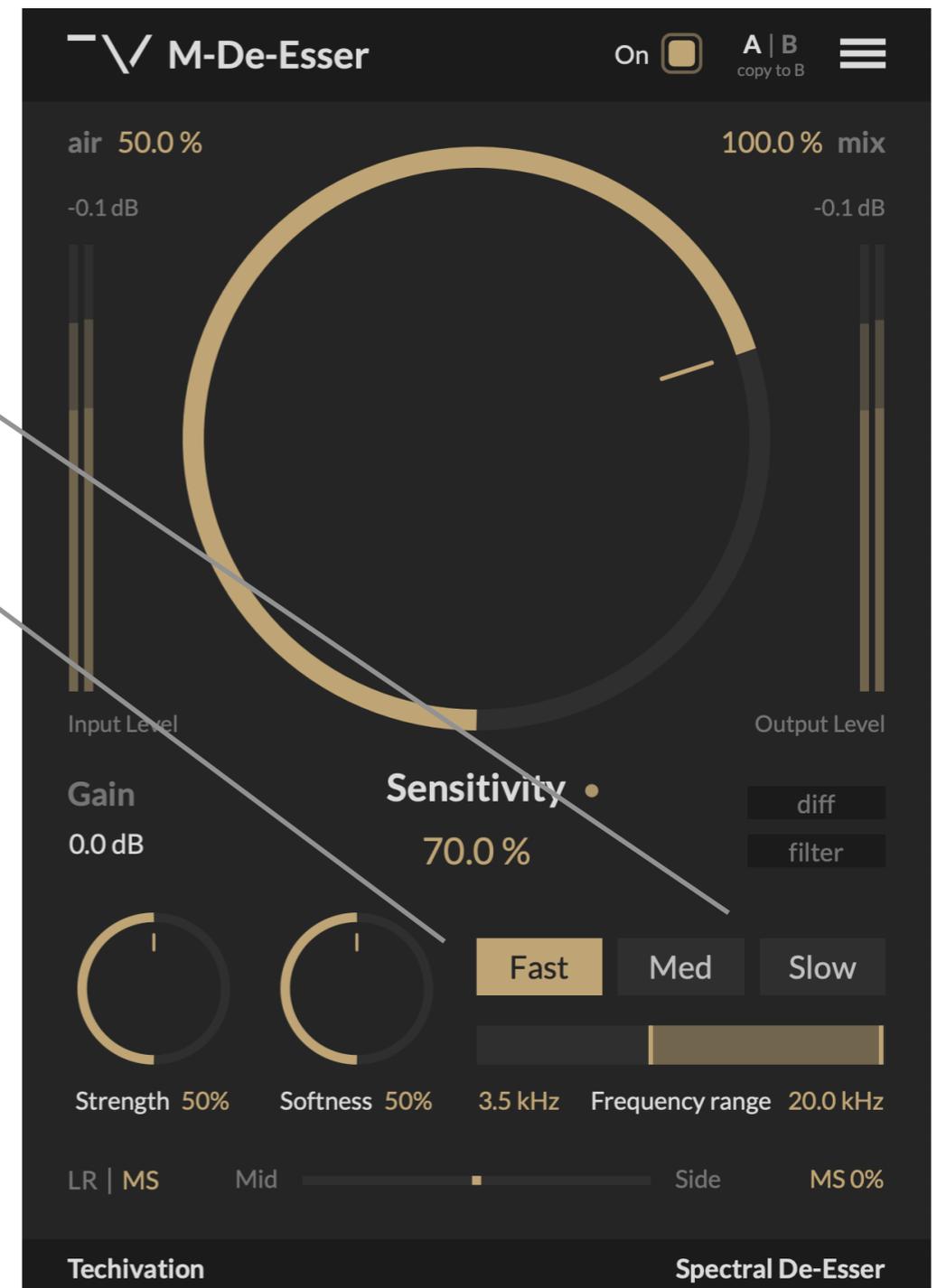
Features

## Medium Mode

In the M-De-Esser, the 'Medium' mode offers a balanced response speed that effectively combines the preservation of transients over time-smoothing the processing.

This versatile setting ensures a harmonious de-essing process that maintains the clarity and impact of transients while still providing effective reduction of harsh frequencies. The 'Medium' mode strikes a perfect compromise between precision and smoothing, making it an excellent choice for achieving a refined and polished sound that seamlessly blends with your original audio.

Whether you're working on vocals, instruments, or any other audio material, the 'Medium' mode enhances your creative control, delivering professional-grade results with a natural and pleasing character.



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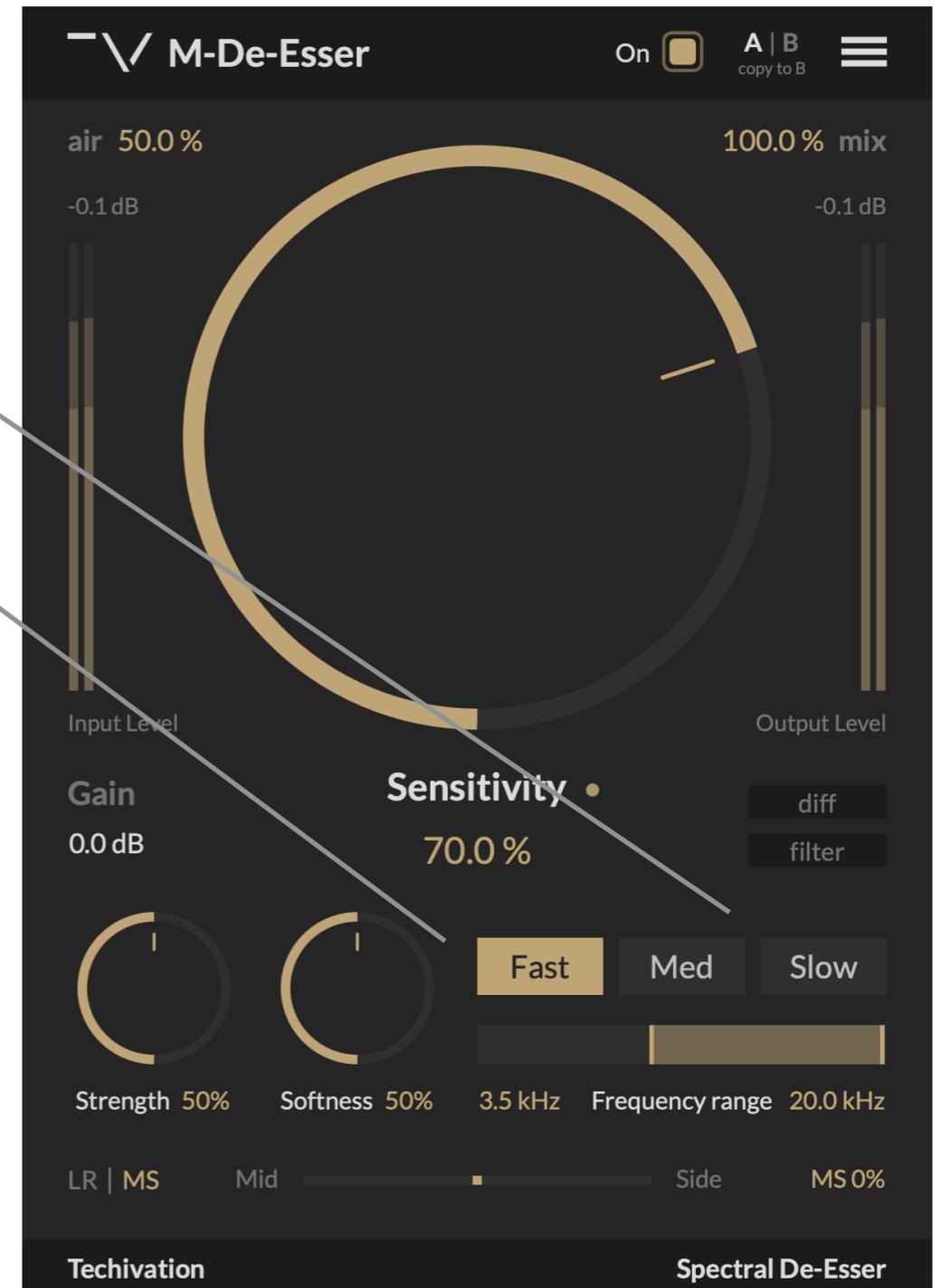
Features

## Slow Mode

The 'Slow' mode in the M-De-Esser sets the response speed to prioritize smoothing the processing in time, while still ensuring effective reduction of harsh frequencies.

With this deliberate approach, the 'Slow' mode excels at delivering a gentle and gradual de-essing process, providing a polished and refined sound with minimal impact on transients. This mode is particularly well-suited for scenarios where maintaining the natural dynamics of the audio is crucial, allowing for a seamless integration of the de-essing effect.

By opting for the 'Slow' mode, you can achieve a subtle yet significant reduction of sibilance, resulting in a pristine and balanced sound that enhances your audio without compromising its authenticity.



# Techivation M-De-Esser

Features

## Air Boost

In the M-De-Esser, the 'Air' control is a powerful feature that enhances the selected frequency range by introducing additional harmonics, providing a subtle and natural brightness to the audio.

This option proves especially useful when you desire to add extra brilliance to your tracks after eliminating harshness and overly bright resonances.

By skilfully blending in harmonics, the 'Air' control helps achieve a refined and polished sound, elevating the overall clarity and presence of your recordings without the need for drastic EQ adjustments.



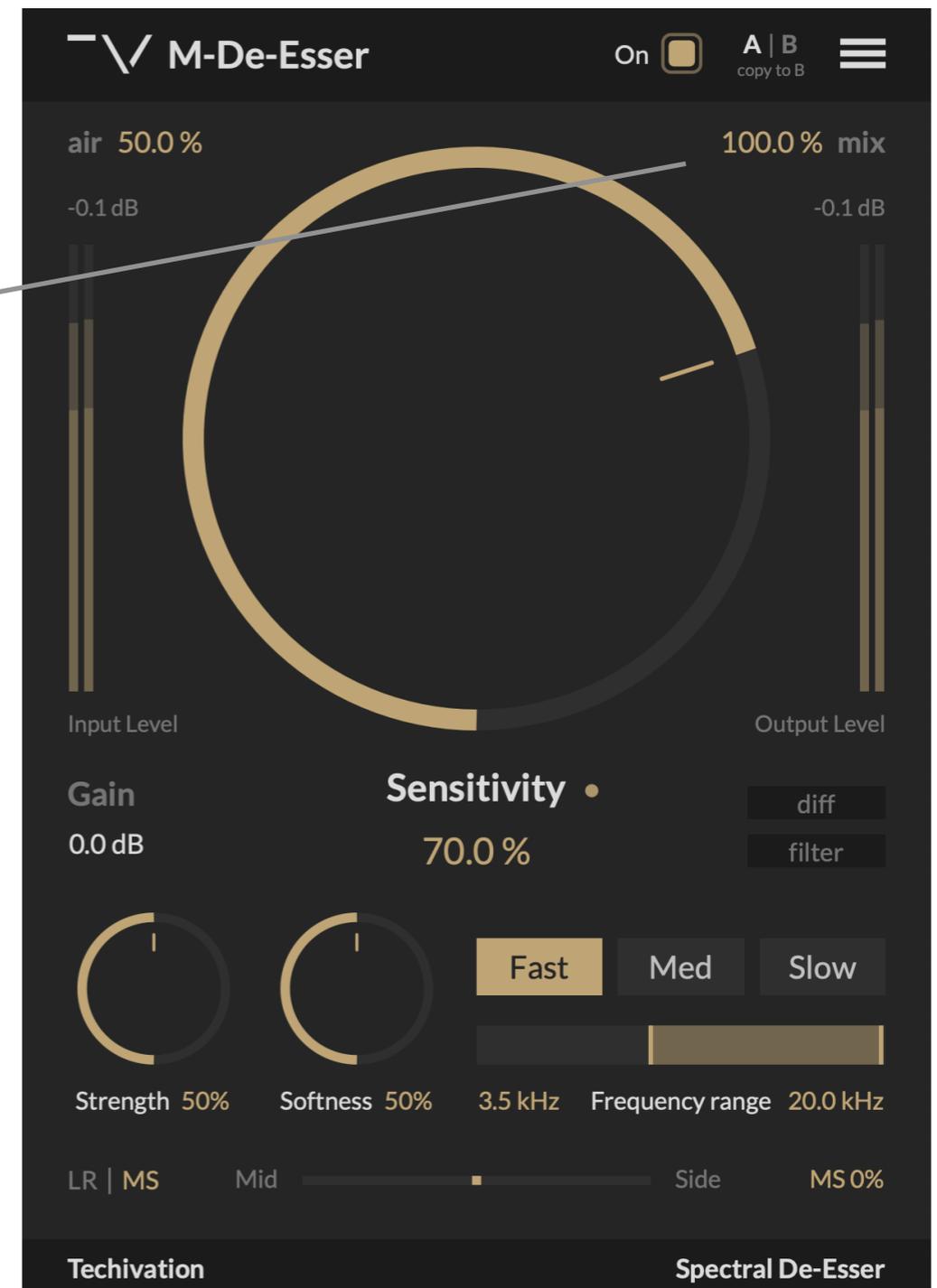
# Techivation M-De-Esser

Features

## Mix Control

The M-De-Esser offers precise control over the dry/wet balance of the plugin, allowing you to seamlessly blend the processed and unprocessed signals to achieve the perfect mix.

This versatile feature is instrumental in tailoring the intensity of the de-essing effect to suit your specific audio needs. By adjusting the dry/wet balance, you can maintain the natural characteristics of your audio while simultaneously reducing harshness and sibilance, striking an ideal balance between the original sound and the de-essing process.



# Techivation M-De-Esser

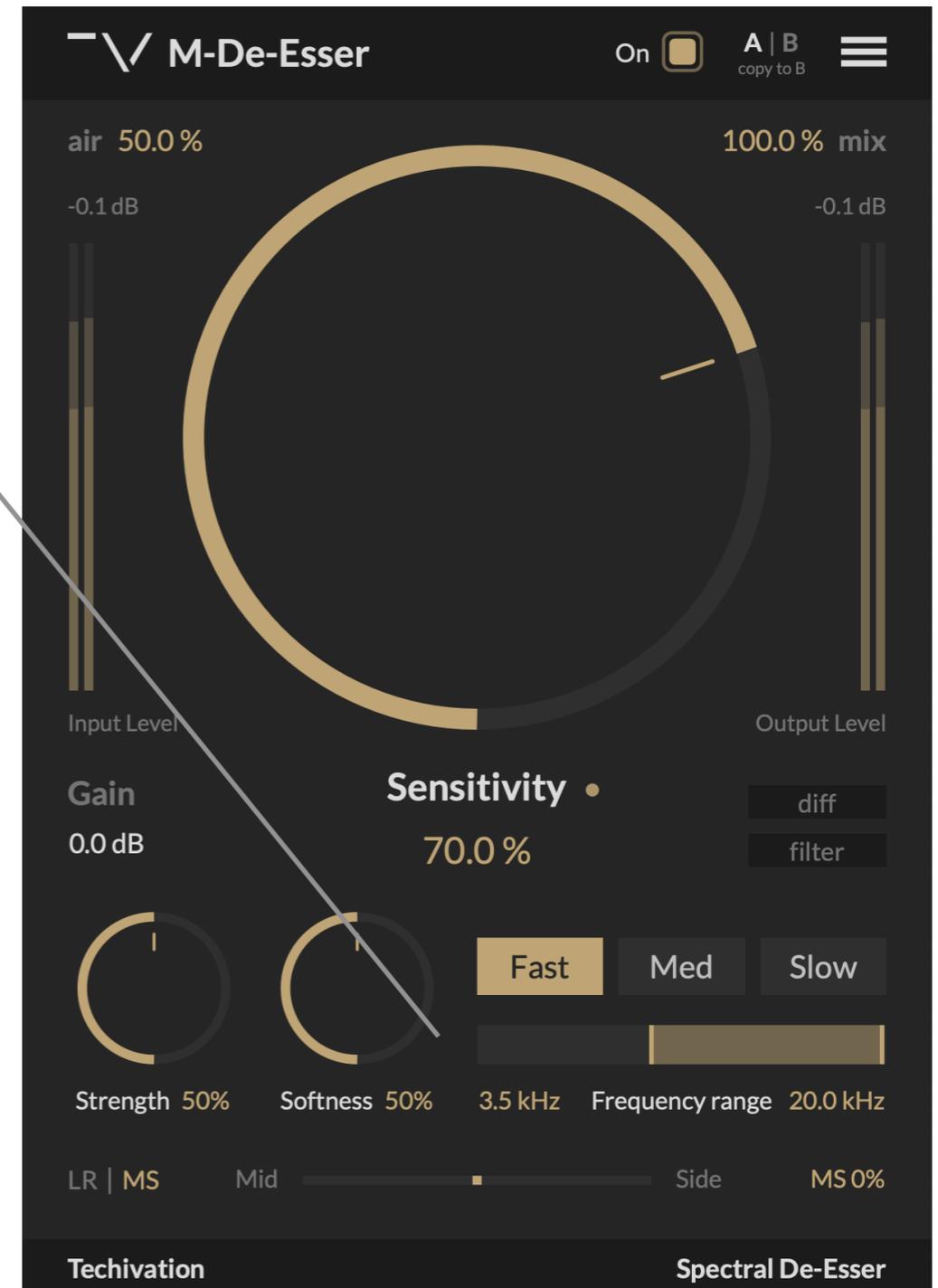
Features

## Frequency Slider

In M-De-Esser, identifying the frequency range that contains unwanted issues is a crucial step. This is where the frequency selection slider comes in handy. The frequency selection slider allows you to isolate and choose specific frequency ranges for the plugin to target and manipulate.

The frequency selection slider gives you precise control over the spectral shaping processing, allowing you to fine-tune the adjustments for specific frequency ranges and achieve the desired audio outcome.

By isolating and targeting specific frequency ranges, you can effectively address the tonal issues and enhance the overall quality and character of the audio track.



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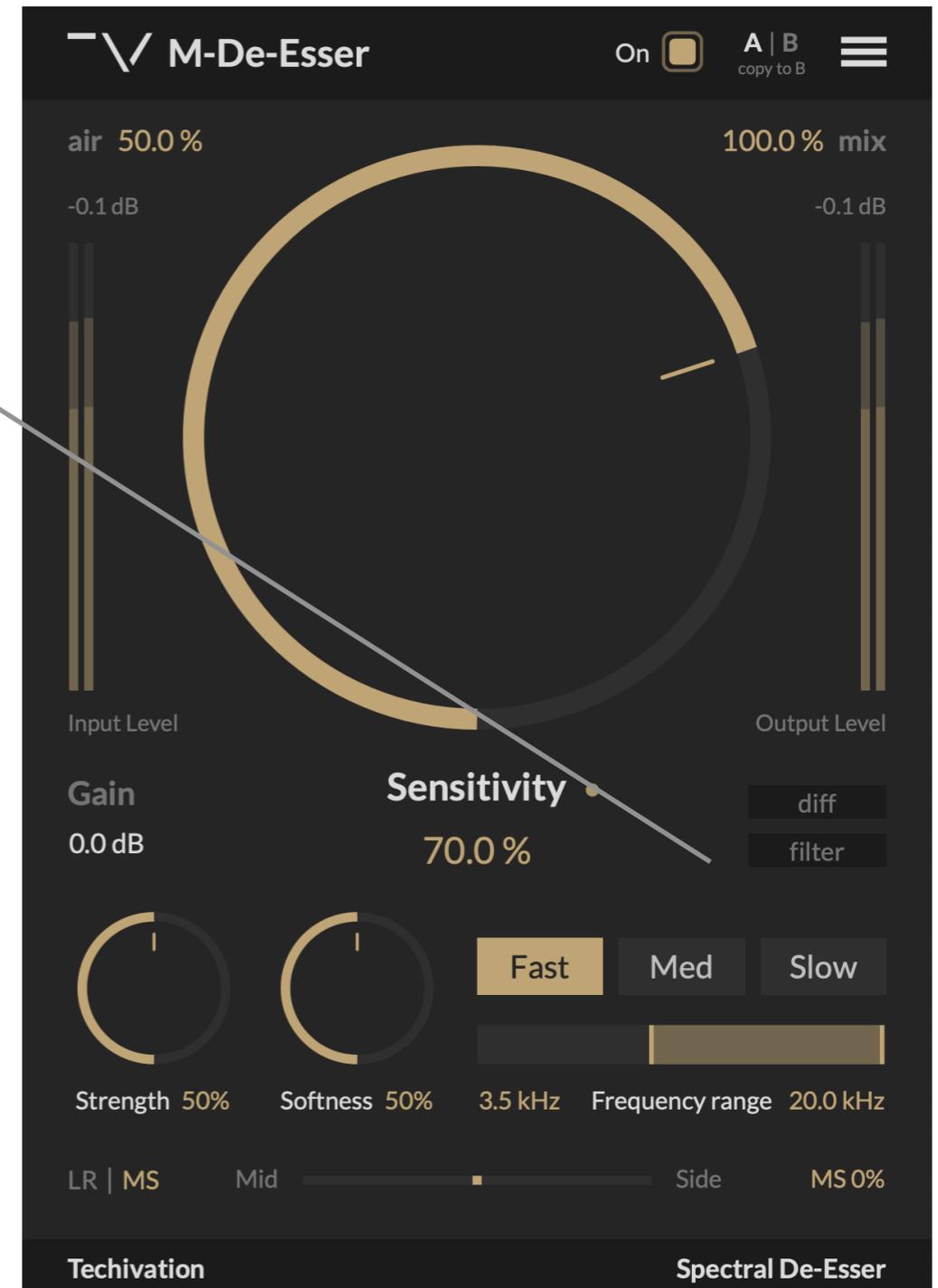
Features

## Diff & Filter

'Diff' button in M-De-Esser refers to Delta listening which is a feature that allows you to listen to the difference between the original audio signal and the processed audio signal.

'Filter' allows you to listen to just the frequency range selected by the Frequency range slider.

'Diff' is useful for understanding the impact of the processing on the audio signal, ensuring that the adjustments being made are effective in addressing the targeted issues, such as harshness, muddiness, or boxiness, without negatively affecting other elements of the sound.



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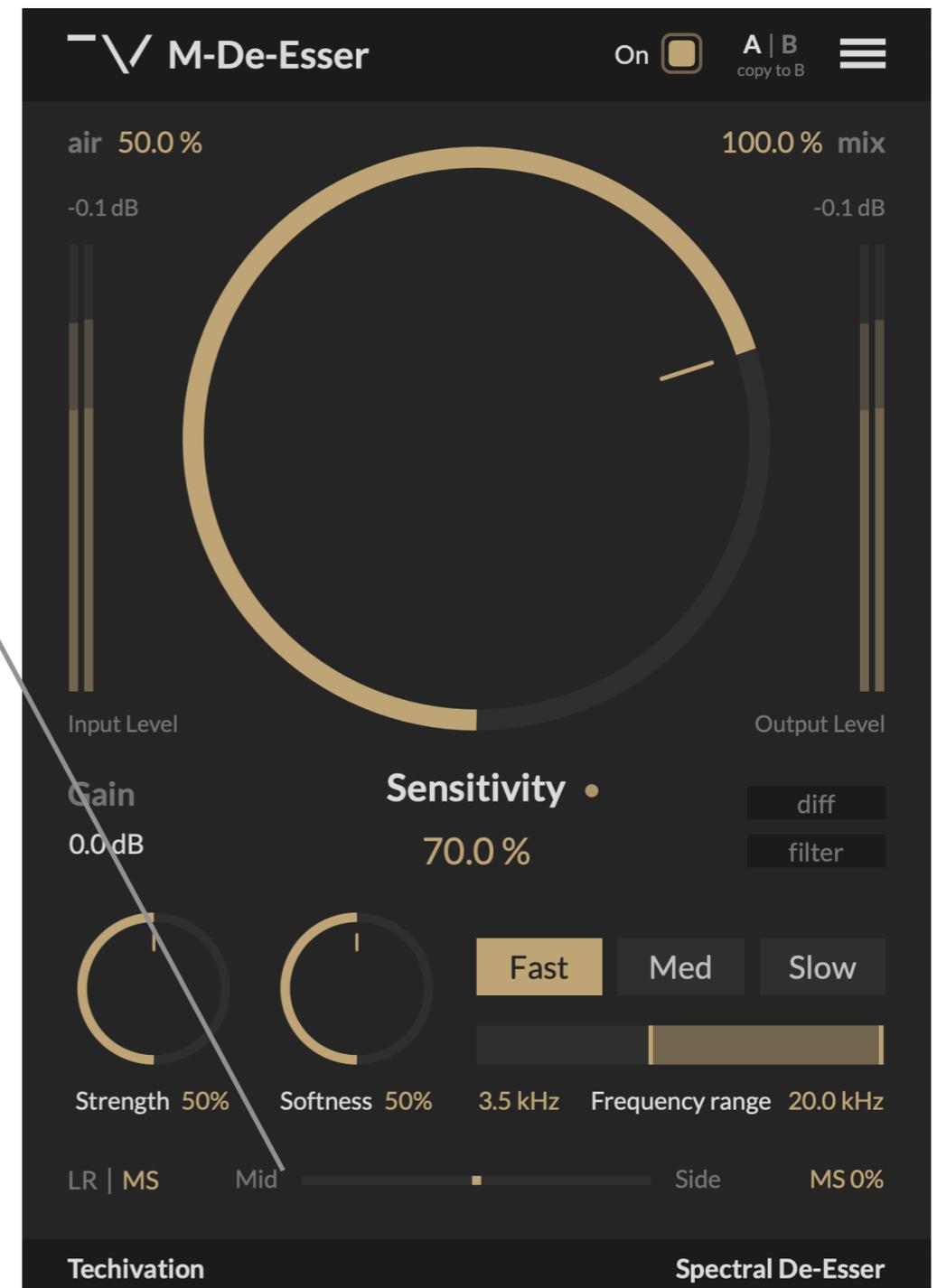
Features

## Mid-Side and Left & Right

This feature allows you to switch processing between LR (left & right) or MS (mid-side) modes, and control the amount of the plug-in's effect on the LR or MS channels of your stereo tracks.

In LR mode, the plugin processes the left and the right channel 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 (left & right) or MS (mid-side) on the left side of the balance slider, and set the amount either by dragging the slider to the right and left or by clicking, dragging, or typing the percentage value on the bottom right side.



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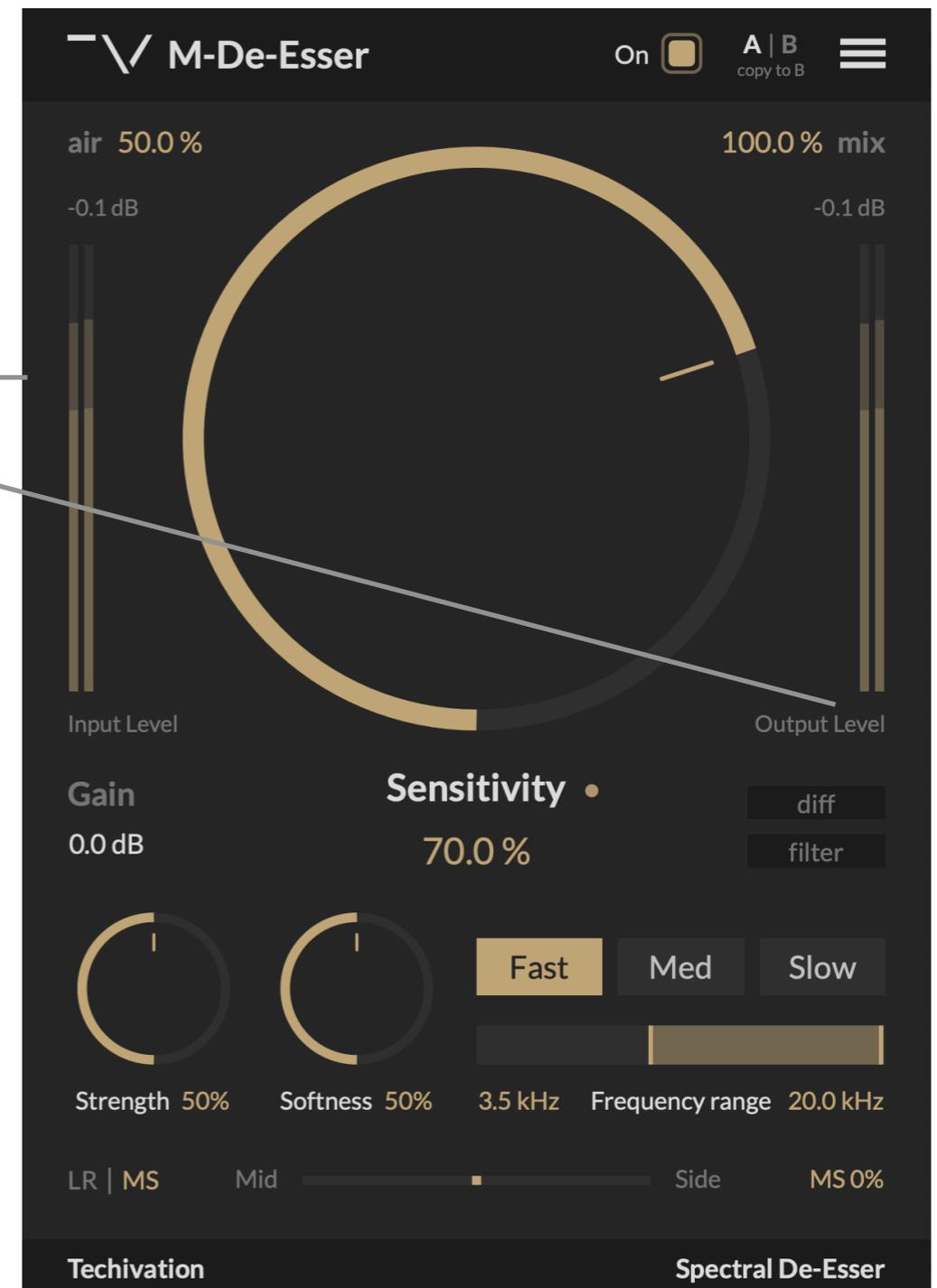
Features

## Input-Output Level Meters

Input-Output Level Meters are visual displays that show the audio levels of the input and output signals before and after processing. These meters provide real-time feedback on the input and output levels, allowing you to monitor the changes in amplitude that occur during the spectral shaping process.

Checking Input-Output Level Meters in M-De-Esser can help you to ensure that the processing settings are appropriate for the input signal and that the output level matches the desired target level.

By monitoring the input and output levels during processing, you can make adjustments to the processing settings and fine-tune the spectral shaping process for optimal results.



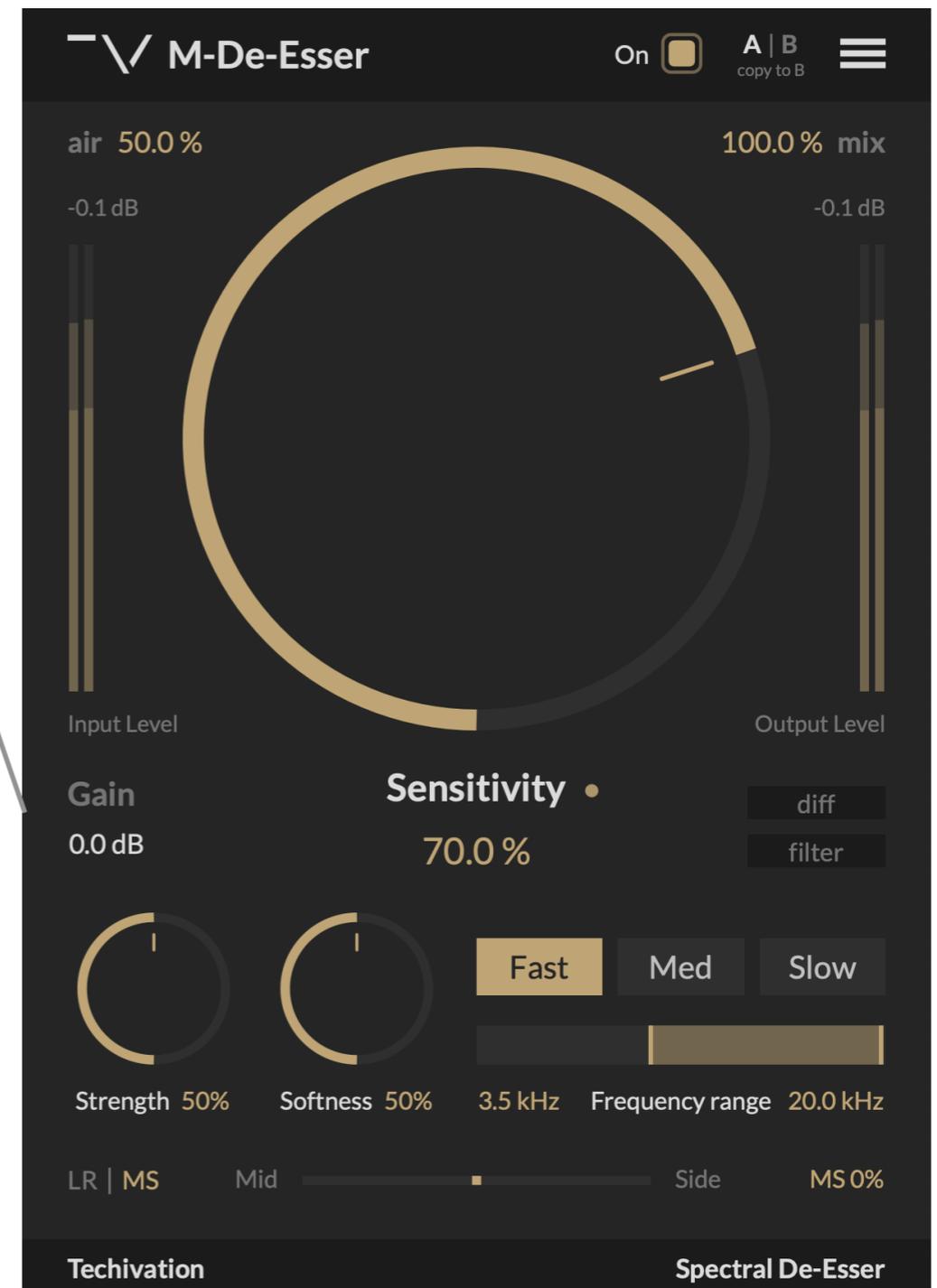
# Techivation M-De-Esser

Features

## Gain Control Part 1

In the M-De-Esser, the 'Gain' control is responsible for adjusting the output volume of the processed audio signal. The spectral compression threshold for the targeted frequency range is set relatively to the overall signal level. Therefore, the processing is independent of the input level, and there is no need for an input gain control.

However, the 'Gain' control in M-De-Esser can be useful for ensuring accurate gain compensation after applying the plugin's effect to your sound.



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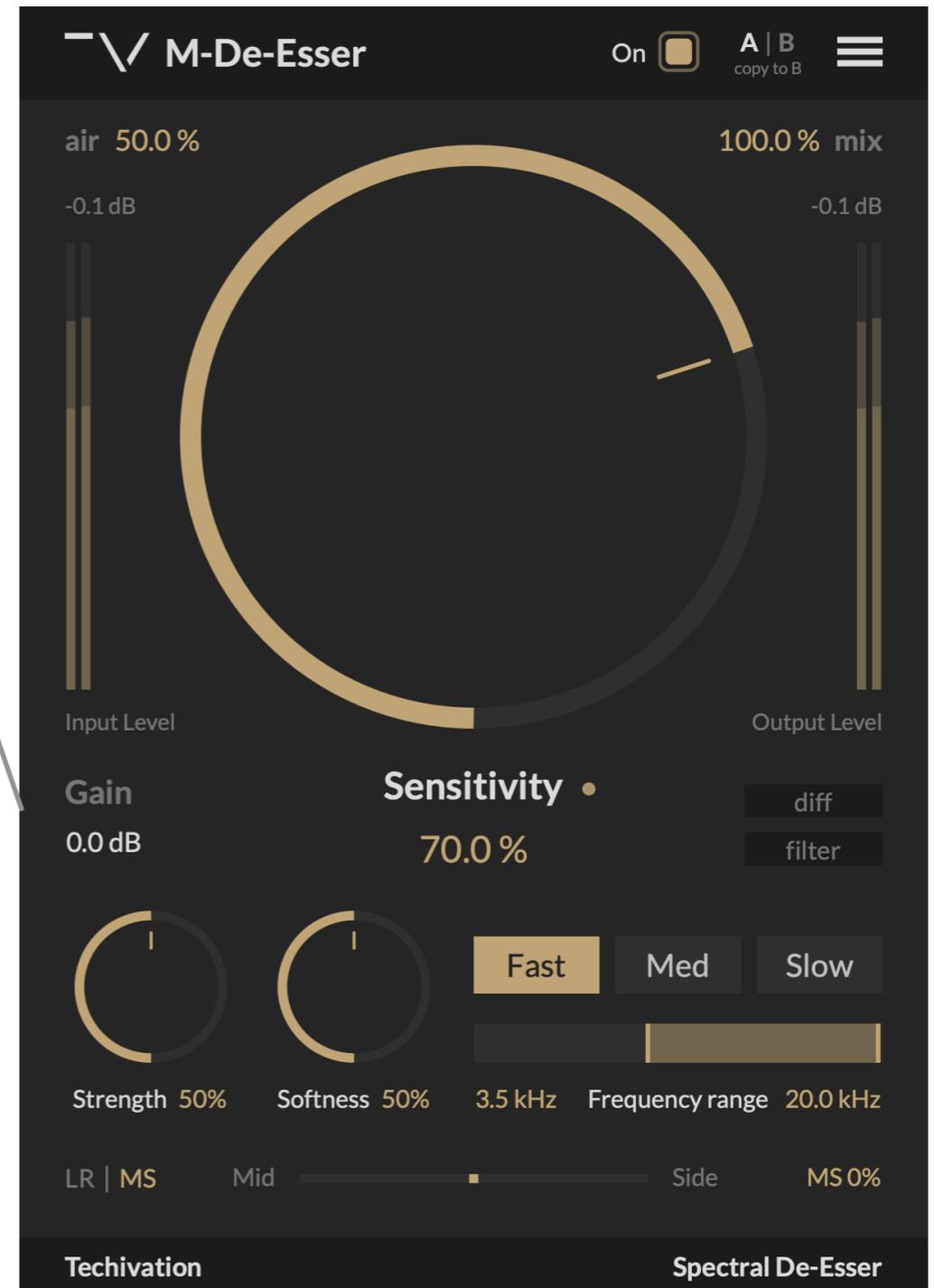
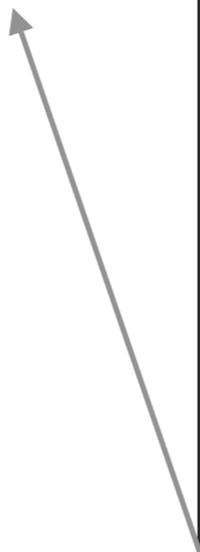
Features

## Gain Control Part 2

When you apply the spectral shaping processing to your audio signal, it may result in a change in overall volume or amplitude. By using the 'Gain' control, you can adjust the output level of the processed audio signal to match the desired target level, ensuring that the spectral shaping effect is applied accurately and consistently.

The 'Gain' control in M-De-Esser allows for fine-tuning of the output volume and can be particularly useful in situations where the processed audio signal needs to be matched with other audio tracks in a mix or where specific volume adjustments are required for a particular output format.

By controlling the output volume with the 'Gain' control, you can achieve a balanced and consistent audio output that meets your desired audio requirements.



# Techivation M-De-Esser

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-De-Esser

Features

## Internal On-Off Switch

The plug-in features a dedicated bypass/on control, which allows for the swift enabling or bypassing of the effect. This user-friendly control is designed to help avoid potential clicks or audio artefacts that may occur when toggling the effect on or off directly within the DAW host. By utilizing this bypass/on control, you can seamlessly audition your audio with and without the plug-in's effect, ensuring a smoother listening experience and more precise adjustments during the mixing process.

In addition to its primary function, the bypass/on control can also be particularly useful when working with automation processes within your DAW. By automating the bypass/on control, you can enable or disable the plug-in effect at specific points in your mix, allowing for dynamic and creative changes in the audio processing.

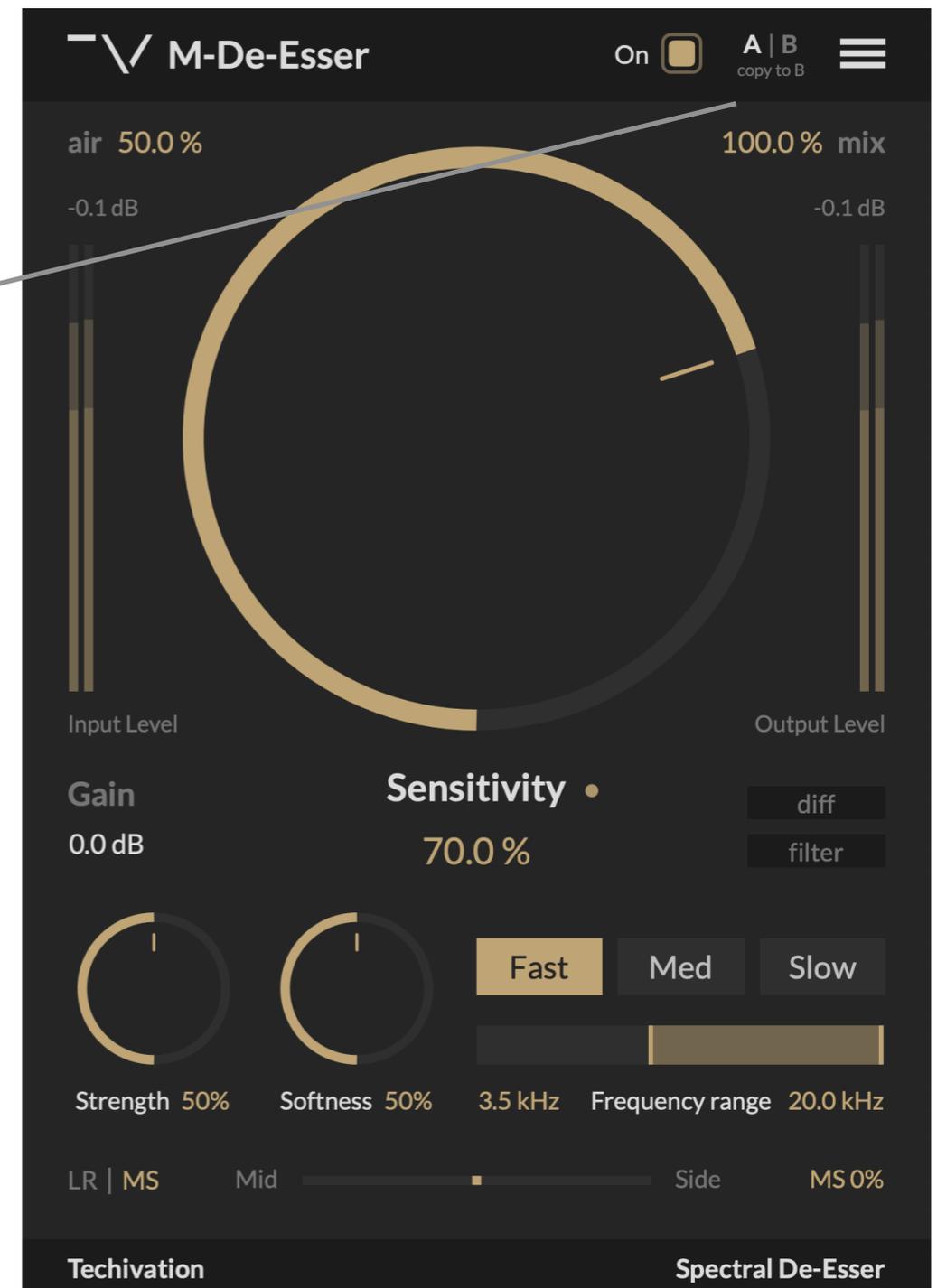


# Techivation M-De-Esser

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 softness on the creative aspects of your mix without getting bogged down in technical details.



# Techivation M-De-Esser

Features

## Undo/Redo

The M-De-Esser 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.



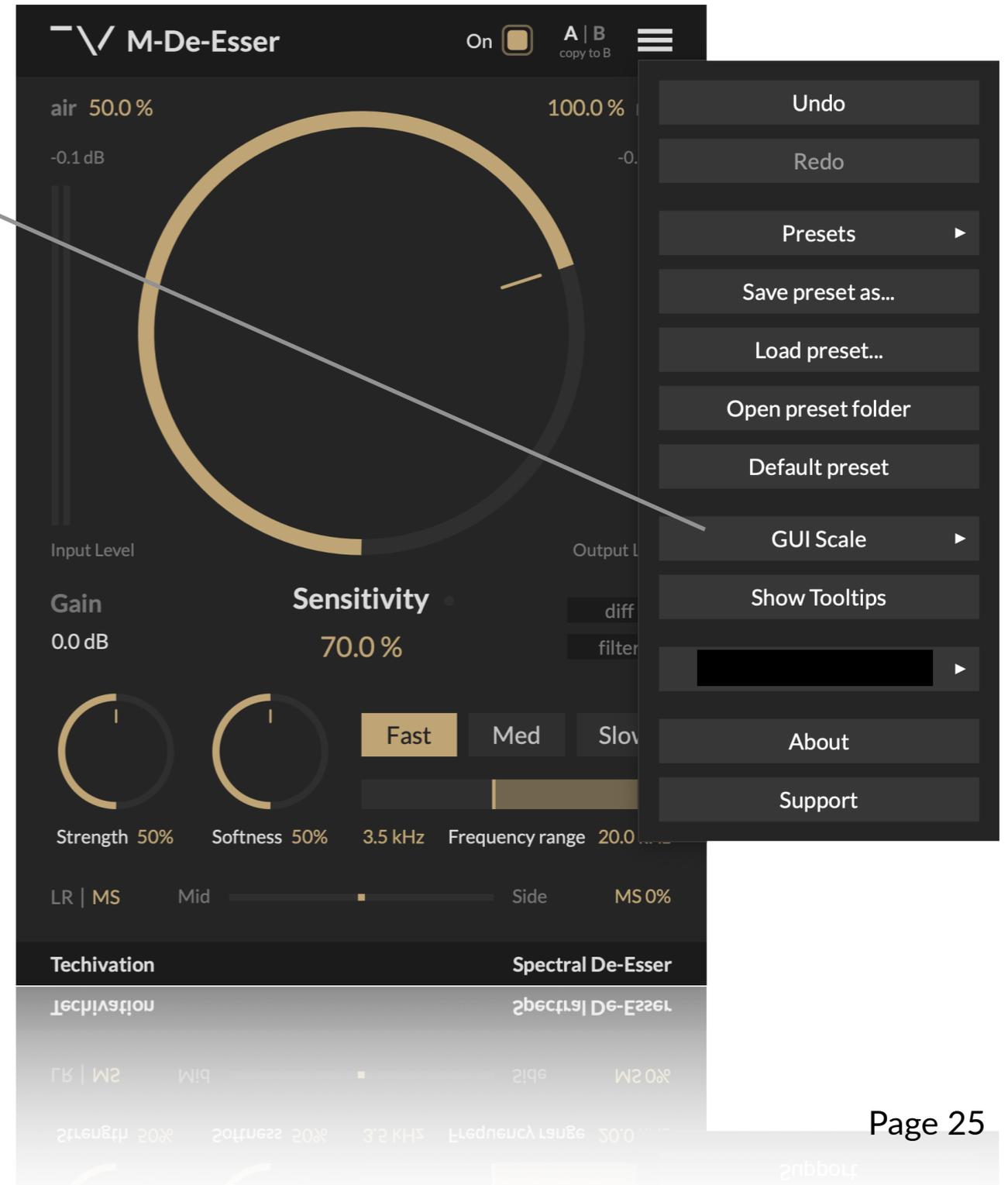
# Techivation M-De-Esser

Features

## GUI Scale

The interface scaling feature in M-De-Esser allows you to customize the size of the GUI to suit your preferences and optimize your workflow. With a range of scaling options available, from 80% to 150%, you can personalize 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-De-Esser is optimized for high-end quality monitors, including retina displays, ensuring that the plug-in looks great and performs reliably on a variety of devices.



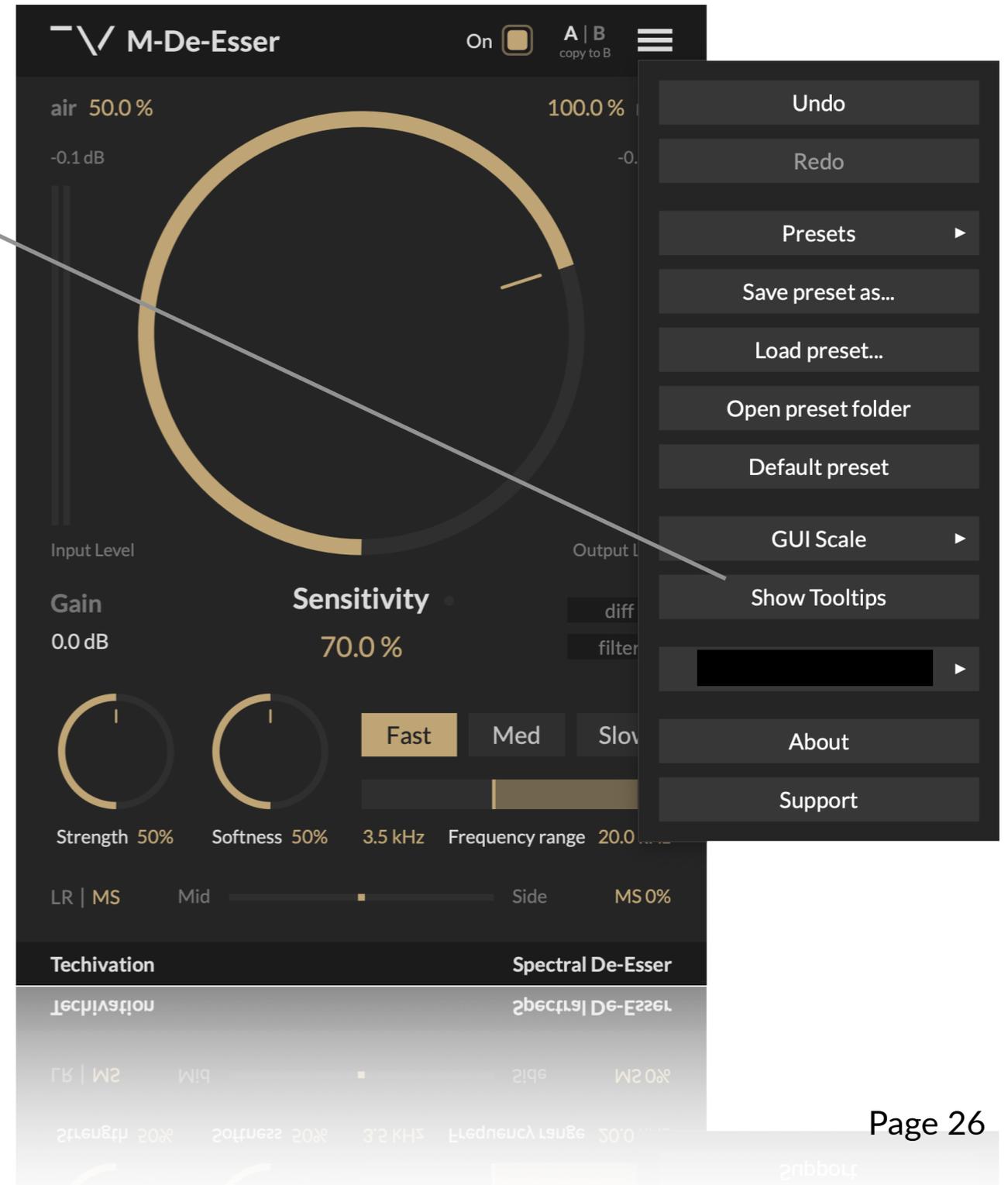
# Techivation M-De-Esser

Features

## Tooltips

M-De-Esser features a handy 'tooltips' option that you can enable or disable from the plugin'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 plugin, 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-De-Esser plugin. If you're not sure what a particular control does, simply hover your mouse over it to get a quick and informative tooltip.



# Techivation M-De-Esser

Features

## Plug-in Menu

A quick menu of useful features:

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



# Techivation M-De-Esser

## Compatibility

**Plugin formats:** VST, VST3, AU, AAX.

**Platforms supported:** regular macOS installer supports 10.13 (High Sierra) and up, legacy macOS installer is from 10.9 (El Capitan) to 10.12 (Sierra)  
Windows 7 and up. 32 & 64 bits

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

## Activation

M-De-Esser 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'll 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](http://techivation.com/support)

Check out [techivation.com/terms-conditions](http://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](mailto:info@techivation.com) or [techivation@gmail.com](mailto:techivation@gmail.com)

## Installation

If you purchase a [M-De-Esser](#) 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](http://Techivation.com) for the latest software updates.

After downloading, unzip the file and select either Mac or PC installer depending on your system. (Warning: don't 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

**\*Note:** If you have the Mac OS X 10.9 to 10.11 you should download the legacy macOS installer.

# Techivation M-De-Esser

## 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."