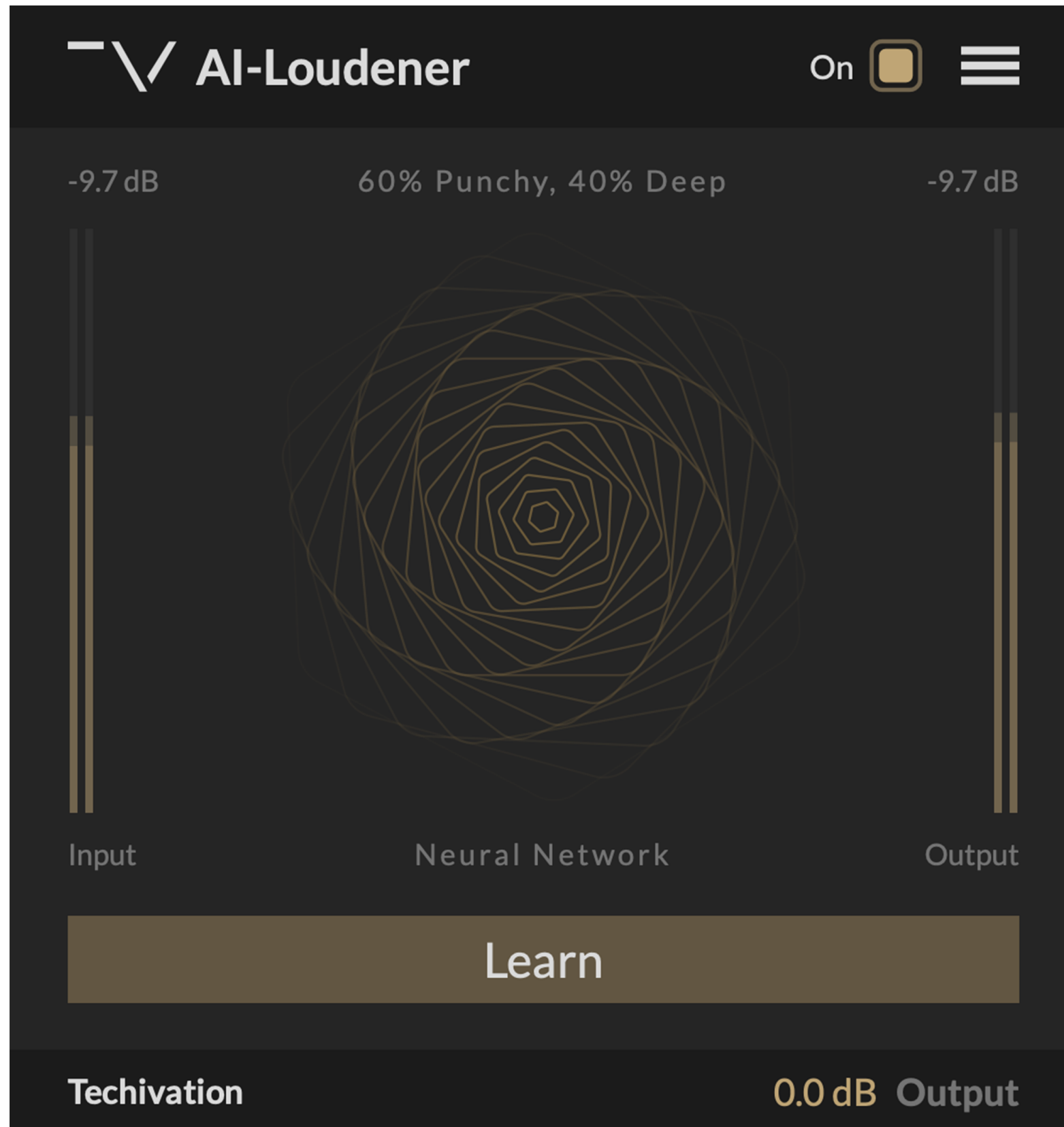


Techivation AI-Loudener

User Manual



Techivation AI-Loudener

Overview

AI-Loudener harnesses the power of machine learning to make your tracks louder without raising the peak levels. It analyses the audio to set up the optimal processing parameters, so all you need is to choose how loud you want your mix to be.

Story

When developing the DSP algorithms for our plugins, we often come across features or parameters that work really well in some situations, but not in others. Usually features like that don't make it into the final plug-in, as it needs to work equally well on any material. This is why we turned our attention to machine learning. If the plug-in can know exactly what it is processing, then we can utilise even the most highly specialised features of our DSP algorithms. The AI series of plug-ins is designed to analyse the input using a system of convolutional neural networks and set up the expanded version of an M-series algorithm to uniquely suit your track.

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Features

As the AI-Loudener is an AI-powered plug-in, it operates intelligently under the hood, offering users superb results without the need for extensive tweaking of controls. Therefore, the plug-in has only a handful of controls for users, while most tasks are handled by its AI engine.

- 'Learn' button
- Drive
- Output control
- Oversampling
- Internal On-Off Switch
- Input-Output Level Meters
- Undo-Redo Options
- Scaleable Graphic User Interface (GUI)
- Internal Menu
- Show/Hide Tooltips
- Stereo and Mono

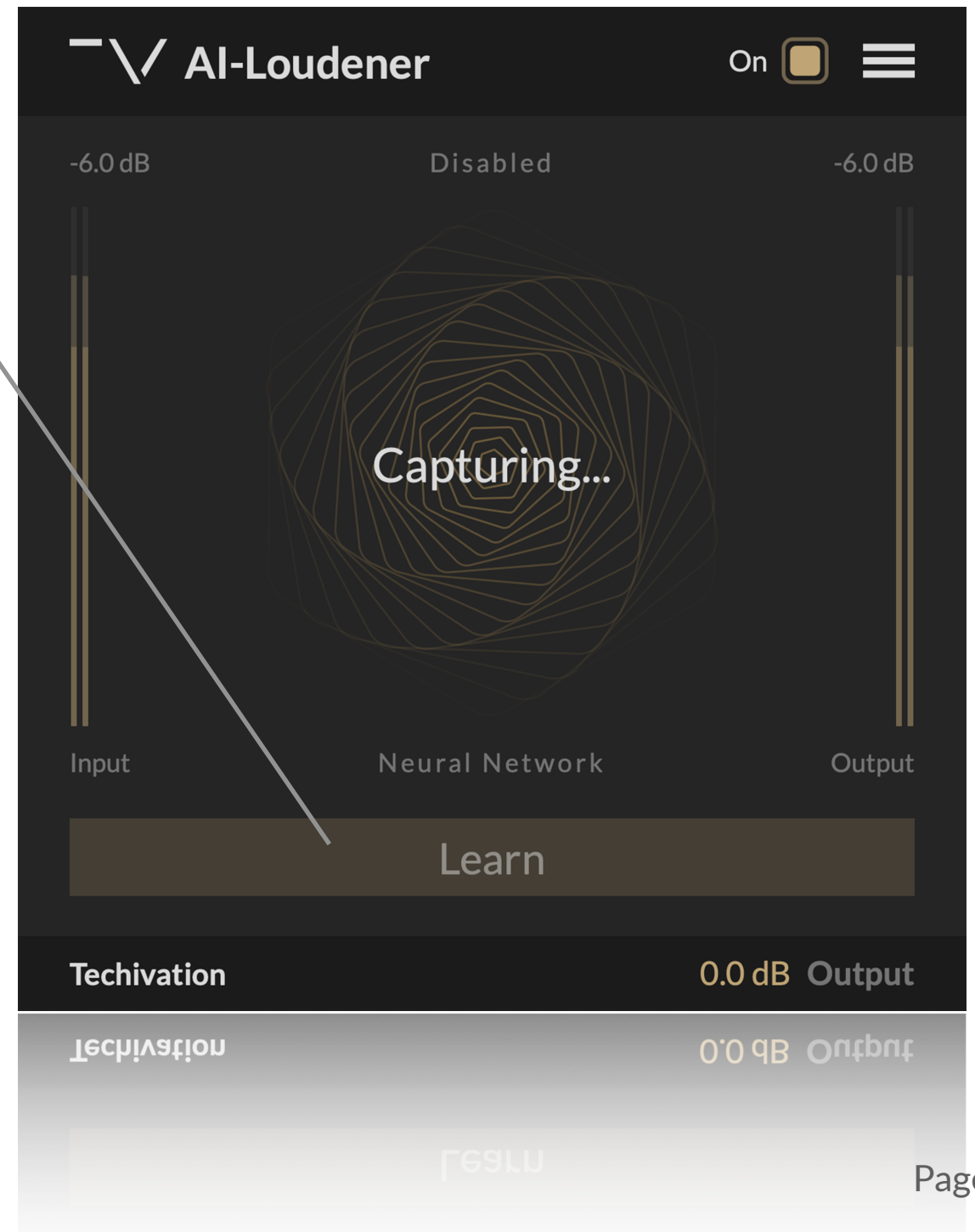
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[Features](#)

‘Learn’ button

“Learn” button enables the plug-in to capture and analyse the input and intelligently set the processing parameters. AI-Loudener will capture 3.5 seconds of audio for the analysis. Make sure to play the loudest and busiest part of your track when learning to get the best results.

Once the learning process is complete, the plugin will display the status of its processing engine, for example “80% Punchy, 20% Deep”. The state of the plug-in engine is saved with your DAW session, so you don’t need to re-learn when opening an existing session that contains AI-Loudener.



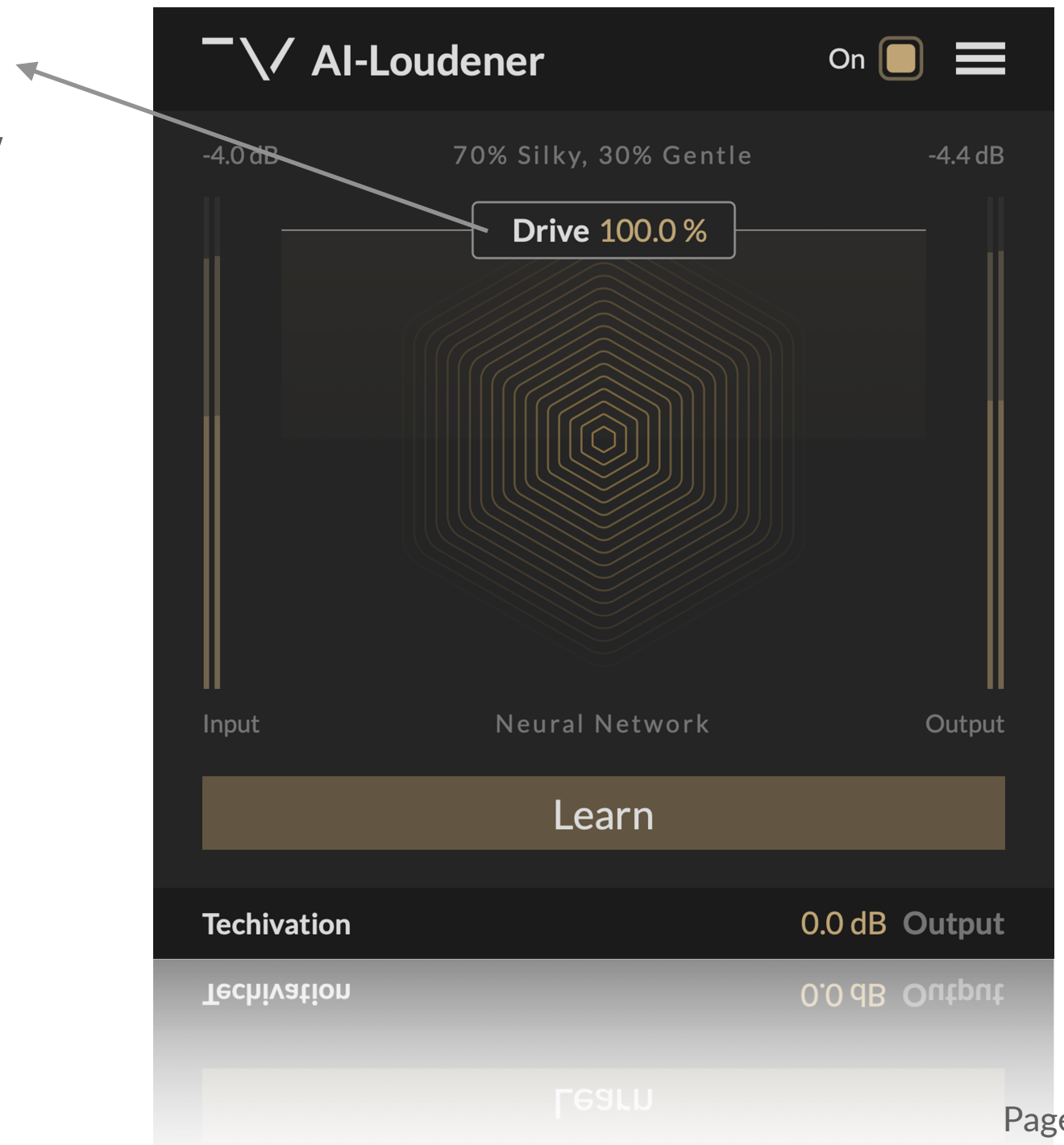
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[Features](#)

Drive

“Drive” is the main control of the plug-in. It determines the intensity of the applied processing, allowing you to choose exactly how much you want to boost the loudness of the track.

Depending on the type of material you are using AI-Loudener on, “Drive” can intelligently enhance the tone, harmonic richness, and stereo width of your signal to increase its perceived loudness without raising the peak levels.

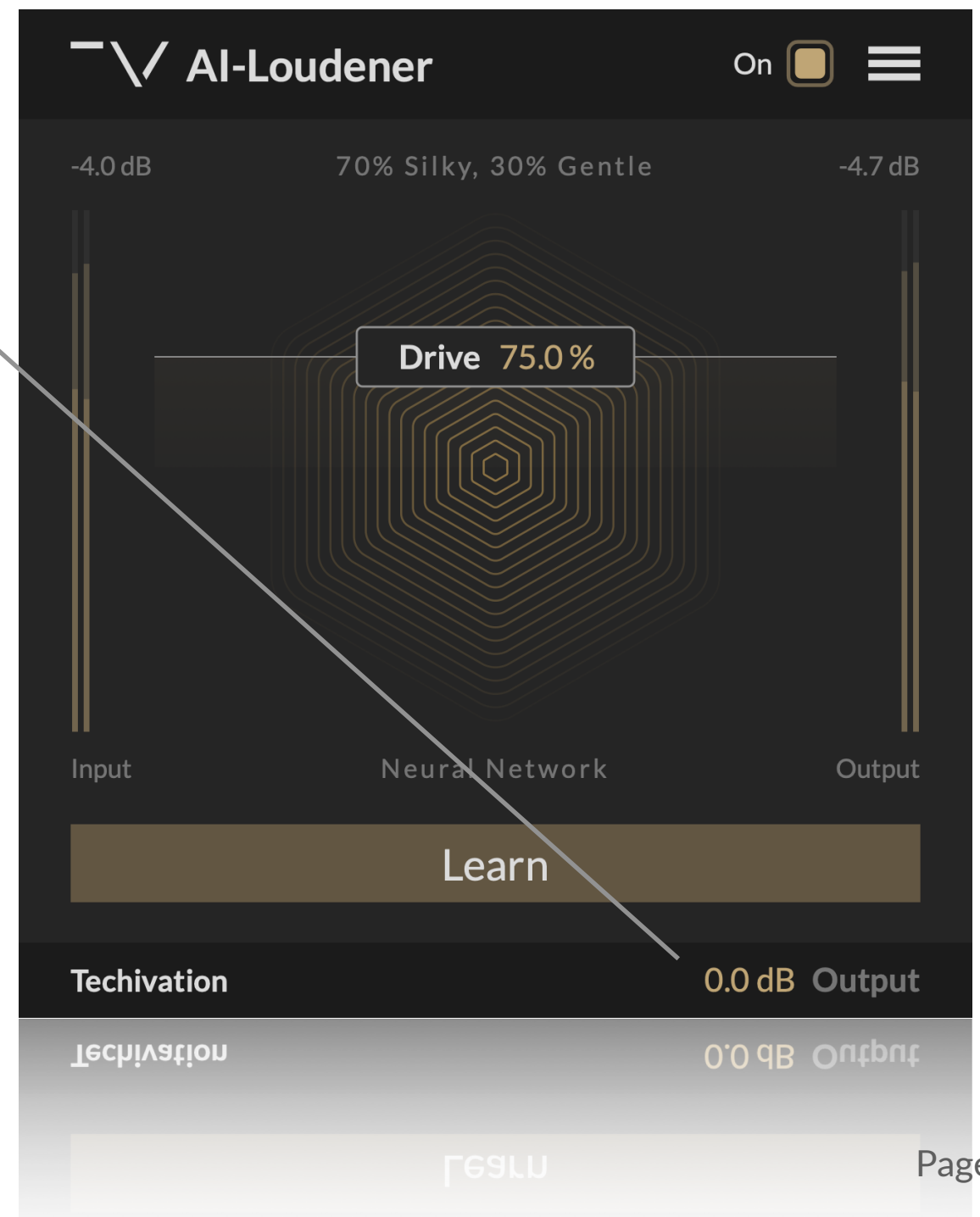


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[Features](#)

Output control

“Output” is a transparent gain control applied to the signal after all other processing.

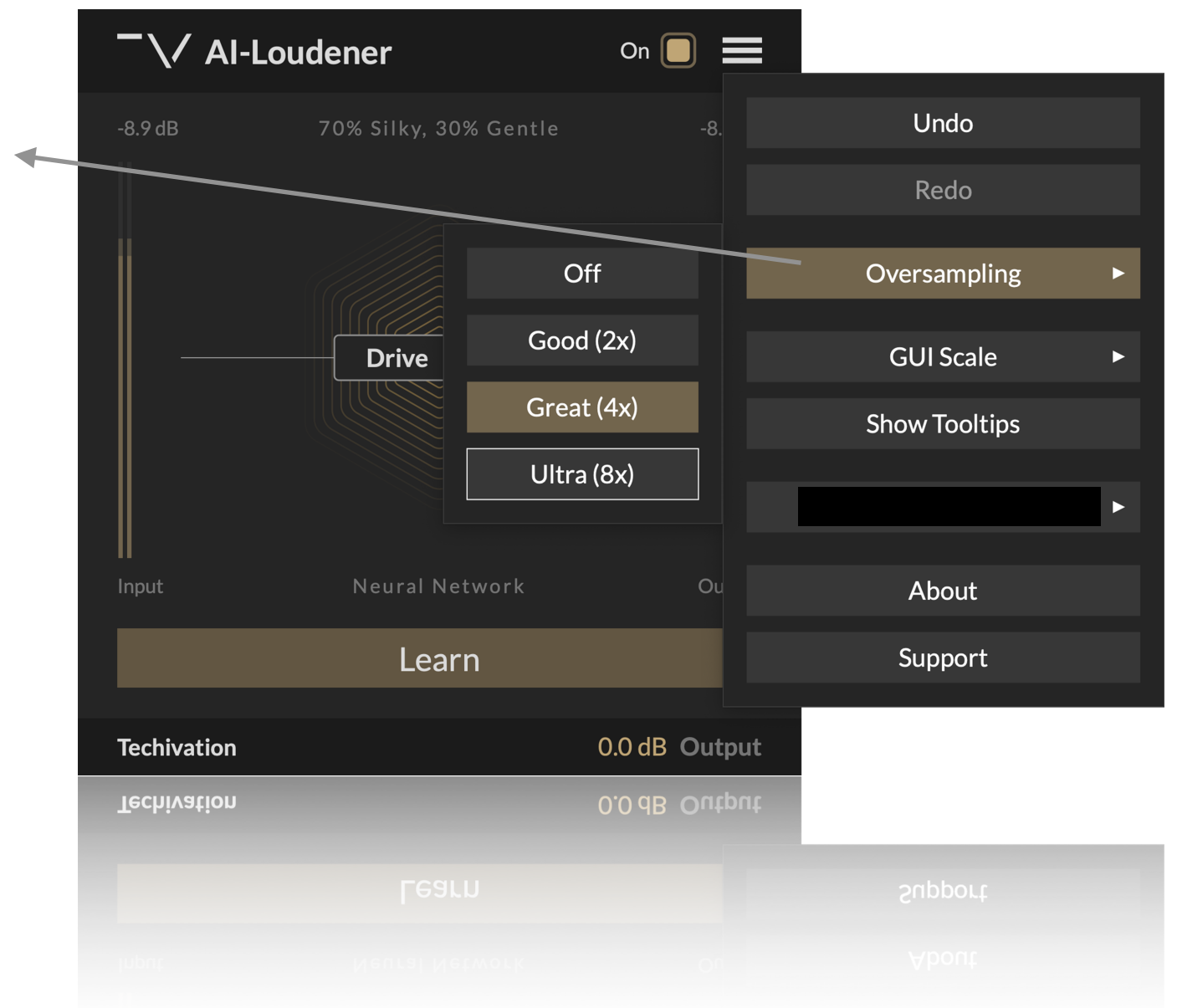


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Features

Oversampling

“Oversampling” in AI-Loudener effectively reduces aliasing by internally processing audio at a higher sample rate than the host application, with the capability to reach up to 8 times the original sample rate. This advanced feature, located in the main menu of the plug-in, offers you the flexibility to choose from four settings to achieve the desired balance between performance and audio quality: “Off”, “Good (2X)”, “Great (4X)”, or “Ultra (8X)”.



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Features

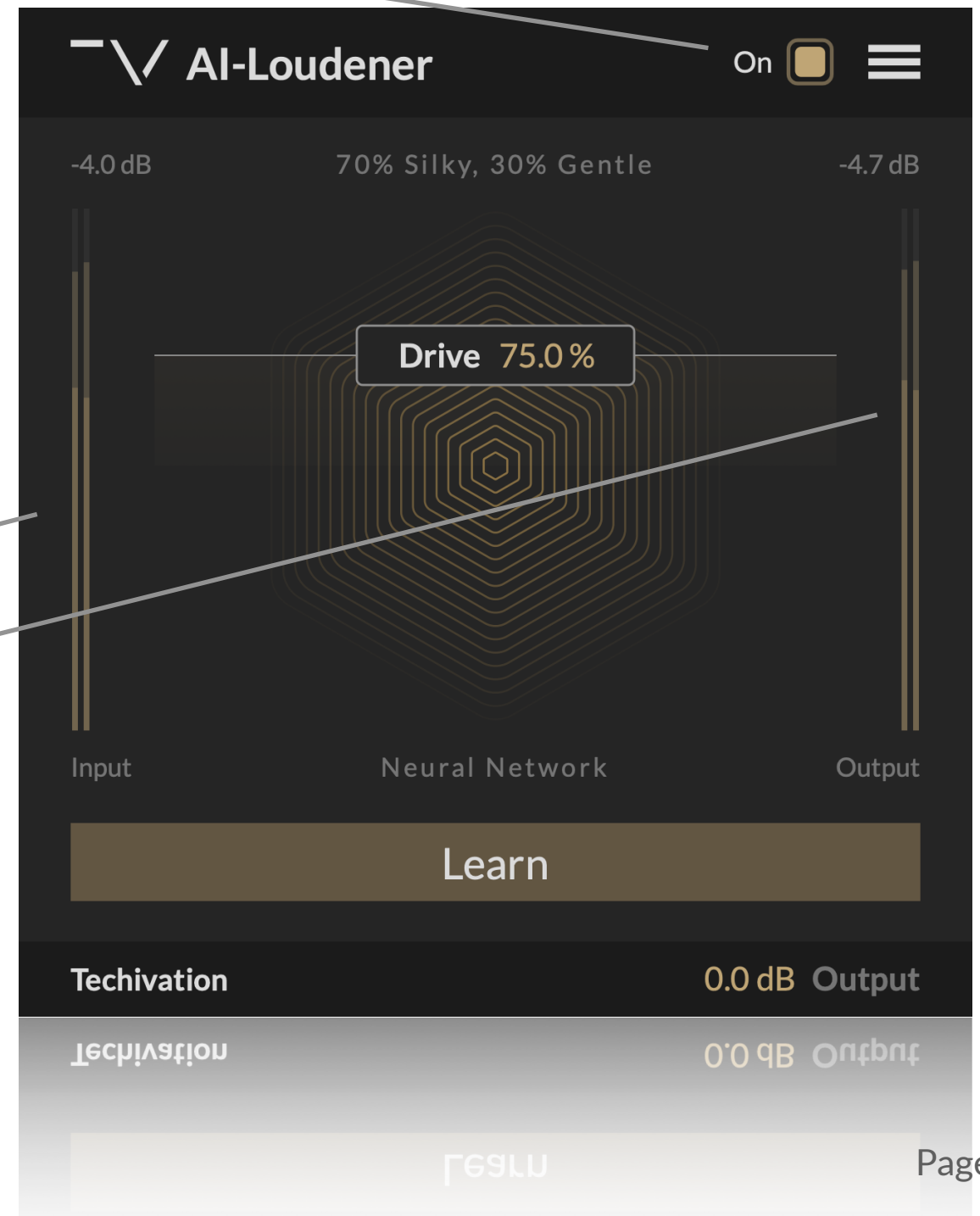
Internal On-Off Switch

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.

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 audio processing.

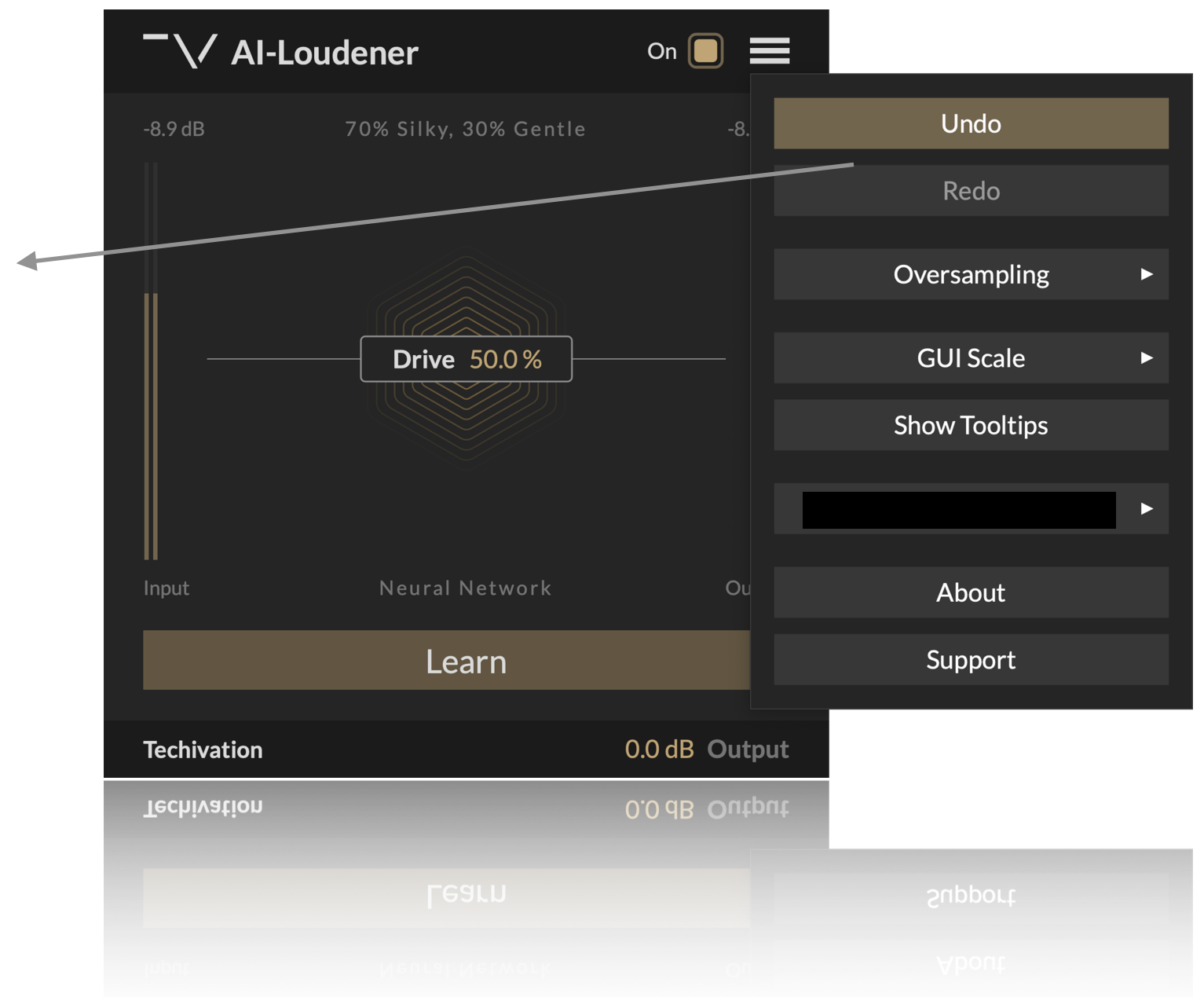


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[Features](#)

Undo/Redo

AI-Loudener includes built-in 'Undo' and 'Redo' functions, offering reassurance during audio processing. Easily revert or redo changes, saving time and avoiding potential loss of adjustments. These functions enable experimentation without permanent alterations, enhancing workflow and facilitating informed decision-making in audio production.

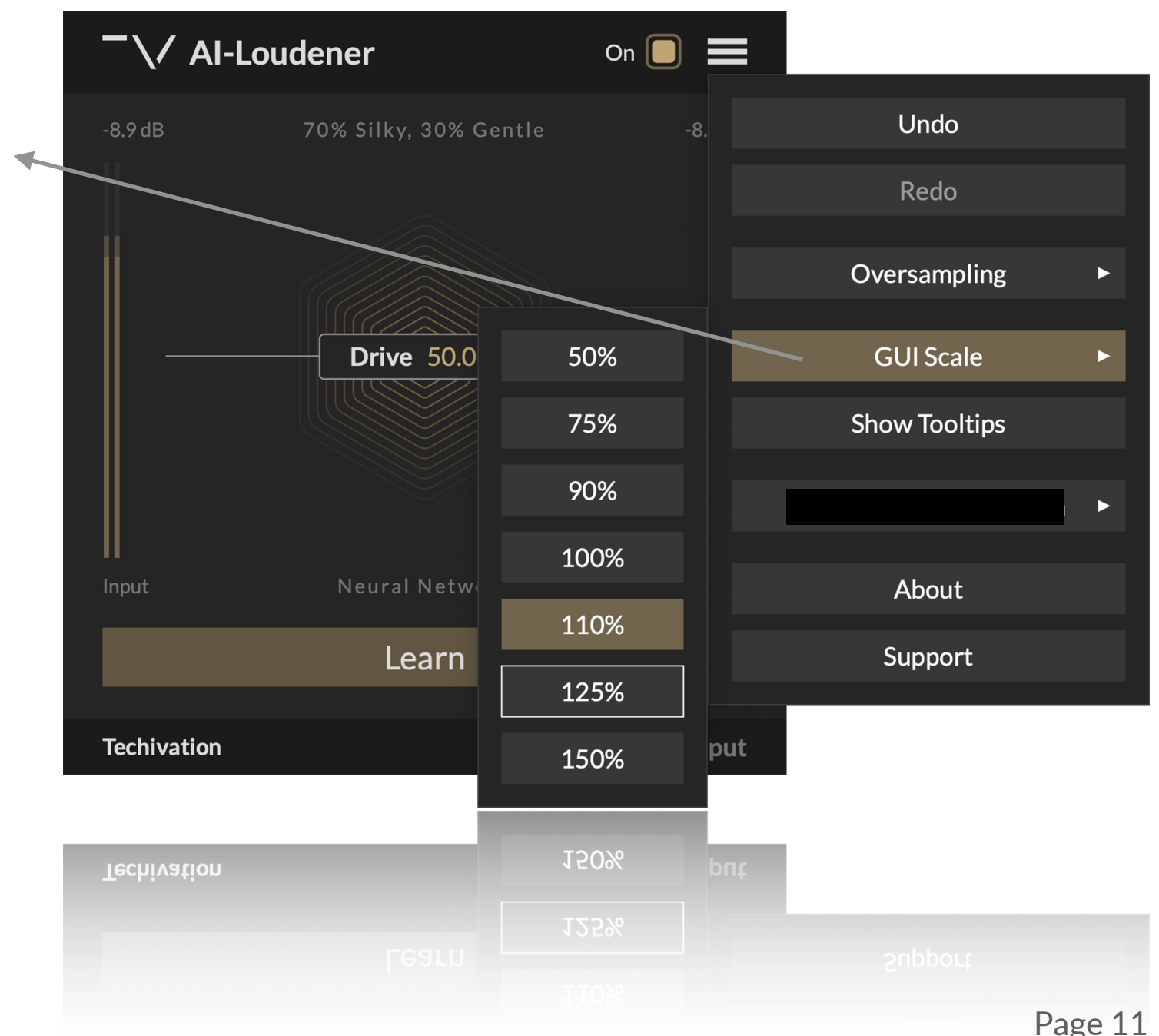


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Features

GUI Scale

AI-Loudener's interface scaling feature lets you adjust GUI size for optimal workflow. Choose from 50% to 150% scaling options to tailor the interface to your preference. Despite scaling, visual quality stays consistent, ensuring clarity. Optimised for high-quality monitors, including retina displays, the plugin maintains its performance across devices.

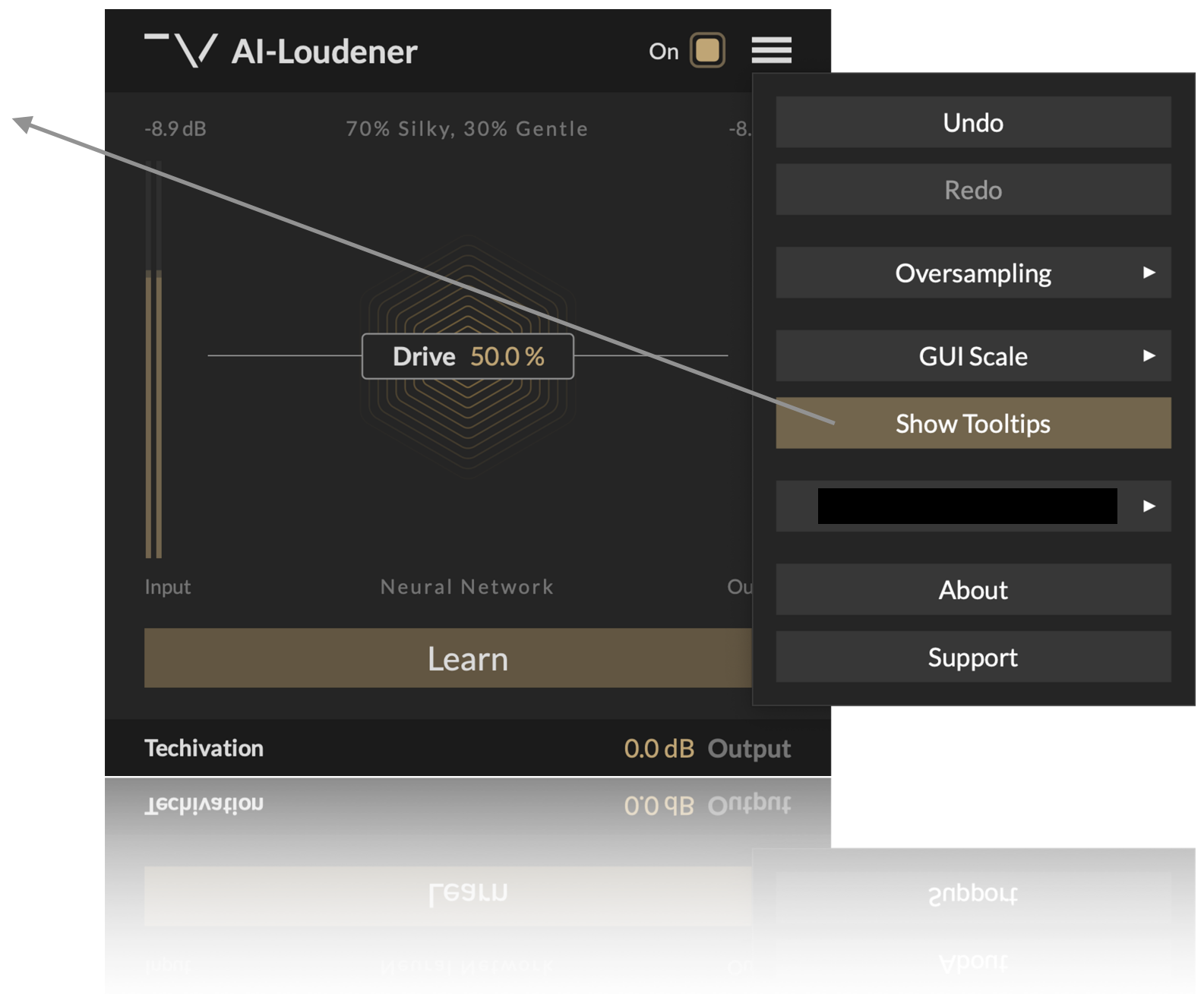


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[Features](#)

Tooltips

AI-Loudener offers tooltips, accessible via the plugin's menu, providing brief descriptions of each UI element when enabled. Tooltips enhance navigation by offering insights into controls and settings, such as function, range, and impact on the audio signal. Enabling tooltips streamlines workflow and facilitates understanding of the plugin's functionality. Simply hover over a control to receive relevant information.



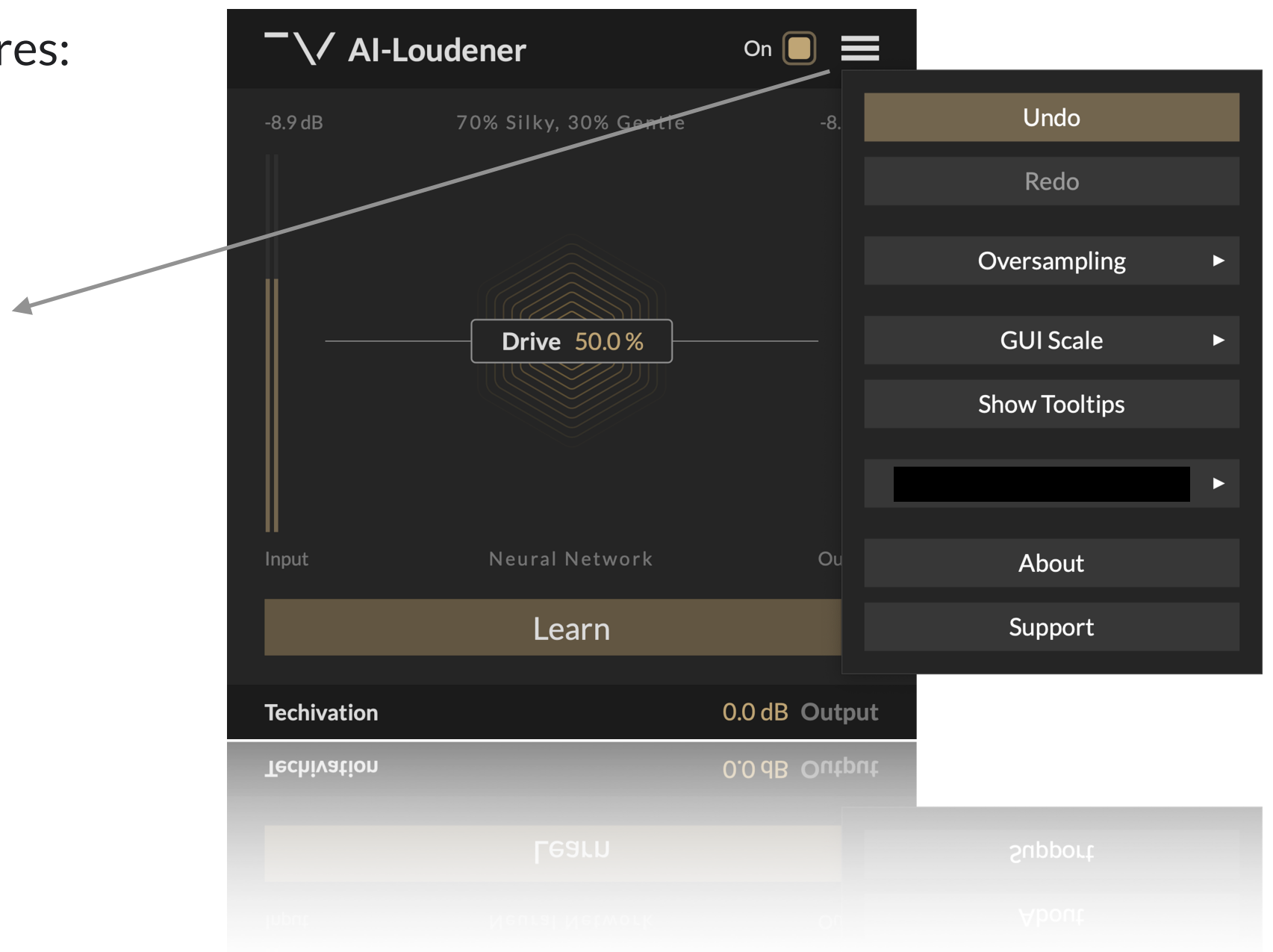
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Features

Plug-in Menu

A quick menu of useful features:

- Undo
- Redo
- Oversampling
- GUI Scale
- Show/Hide Tooltips
- [Your email]/Sign in
- About
- Support



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Compatibility

Plugin formats: VST, VST3, AU, AAX.

Platforms supported: regular macOS installer supports 10.15 (Catalina) and up
Windows 7 and up. Only 64 bits

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

Activation

AI-Loudener 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

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 [AI-Loudener](#) 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: 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

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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.'