

Techivation Tilt EQ

User Manual



Techivation Tilt EQ

Overview

Tilt EQ is a linear phase tone shaping equaliser with a unique twist. Its Drive control takes what the EQ cuts and re-injects that energy as harmonic saturation, so you can shape tonal balance without sacrificing character.

In addition, Tilt EQ offers adjustable tilt slope and range, automatic gain compensation, mid-side processing, stereo balancing, and variable-slope low and high cut filters.

More information: <https://techivation.com/tilt-eq/>

Techivation Tilt EQ

Features

- Tilt Band On/Off
- Tilt Band Gain
- Tilt Band Drive
- Tilt Band Range
- Tilt Band LR | MS
- Tilt Band Stereo Balance
- Low Cut
- High Cut
- Filter On/Off
- Filter Cutoff
- Filter Slope
- Gain Compensation
- Drive Quality (Oversampling) up to 8X
- EQ Curve Display
- Analyser Mode
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- Drive Harmonics Overlay
- Output

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Tilt Band Gain

Controls the amount of spectral tilt applied by the band. Positive values tilt the tonal balance towards high frequencies, brightening the sound. Negative values tilt the tonal balance towards low frequencies, darkening the sound.

Tilt Band Drive

Controls the amount of harmonic saturation applied to the part of the signal that is attenuated by the Tilt Band. The intensity depends on the amount of energy removed by the tilt curve, effectively re-injecting that energy in the form of additional harmonics. When set to 0%, the band processing is completely transparent with no saturation applied.



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Tilt Band Range

Sets the frequency range in which the transition between boost and cut occurs. This gives you control over the position and slope of the spectral tilt applied by the band. Wider ranges result in gentler, more gradual slopes. Narrow ranges create sharper and targeted tonal shifts.

Tilt Band LR | MS

Switches the band processing between LR (left-right) and MS (mid-side) modes. In LR mode, the band 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.



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Stereo Balance

Allows you to pan the band effect between the stereo channels. The Balance control affects both the EQ curve and the harmonic saturation of the band. Depending on LR | MS state, the effect can be balanced between Left and Right, or Mid and Side channels.

Tilt Band On/Off

Enables or disables the entire Tilt Band, including its EQ curve and Drive harmonic saturation.



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Low Cut

Attenuates everything below its Cutoff, making it easy to clean up low-end rumble and muddiness.

High Cut

Removes high-frequency energy above its Cutoff, helping tame brightness, hiss, and harsh edges.



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Filter On/Off

Enables or disables the filter.

Filter Cutoff

Sets the frequency where the filter starts attenuating unwanted spectral content.



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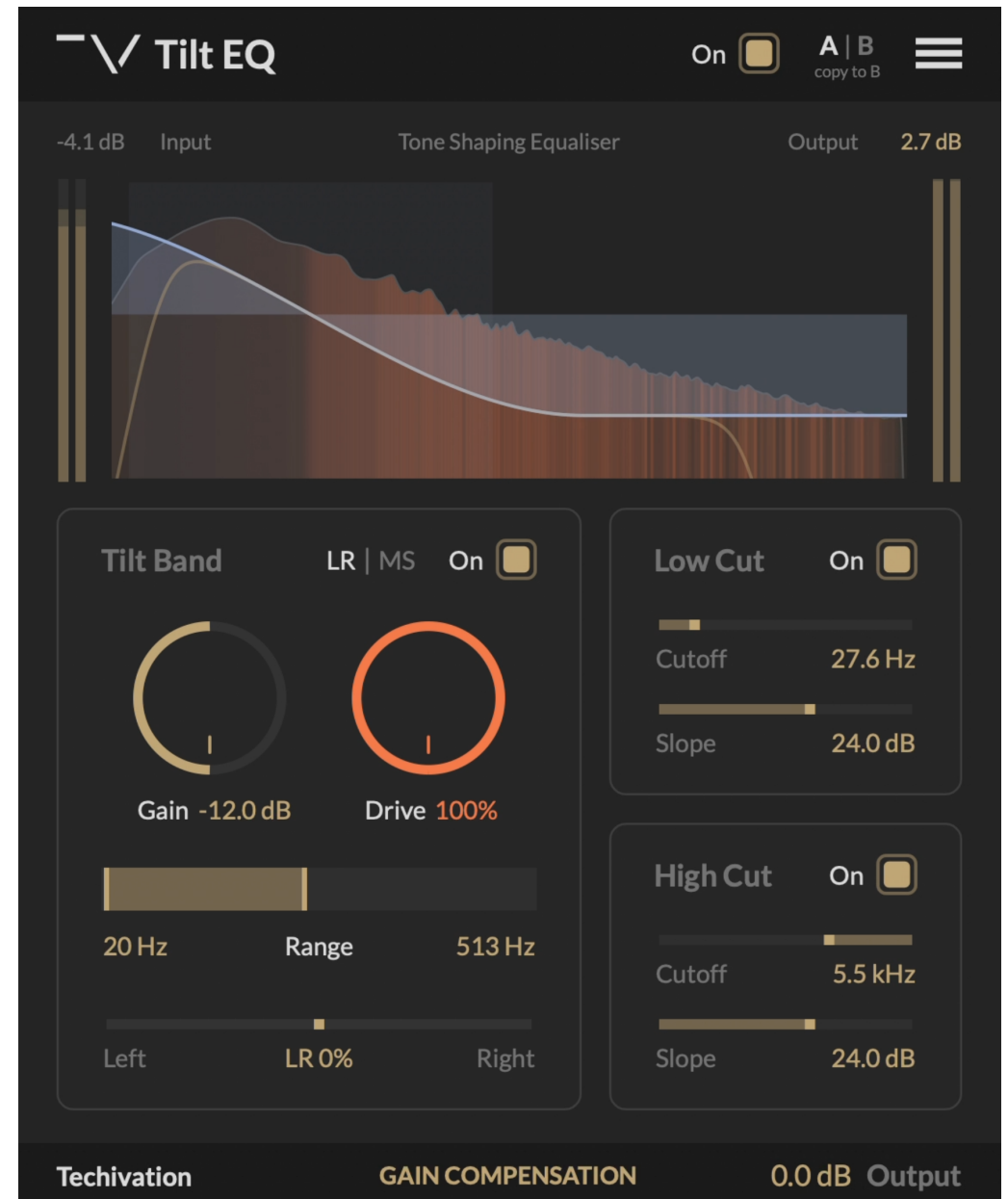
[Features](#)

Filter Slope

Controls how steeply the signal is reduced beyond the Cutoff frequency. Higher values result in sharper filtering.

Drive Quality (Oversampling)

Sets the oversampling amount for the Tilt Band Drive effect to reduce aliasing. Oversampling internally processes audio at a higher sample rate than the host, with up to 8X. Choose Standard (1X), Good (2X), Great (4X), or Ultra (8X) to balance performance and audio quality.



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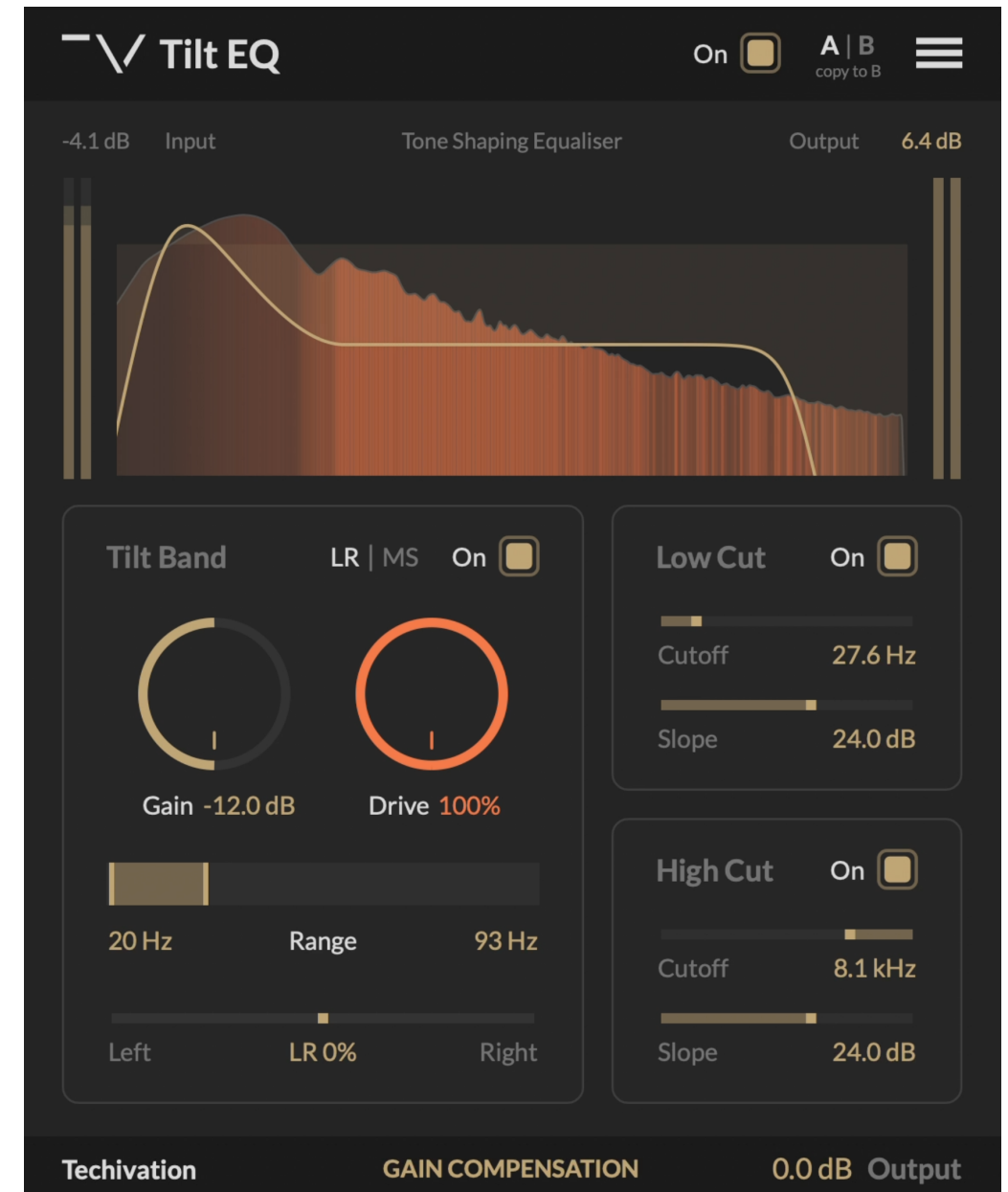
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Gain Compensation

Applies a fixed level adjustment based on the overall EQ curve to maintain consistent loudness with the input signal. The amount of compensation is estimated based solely on the EQ parameters and does not depend on the input signal. This means it never introduces unwanted dynamic gain changes.

Output

Controls the amount of clean gain applied to the processed signal.



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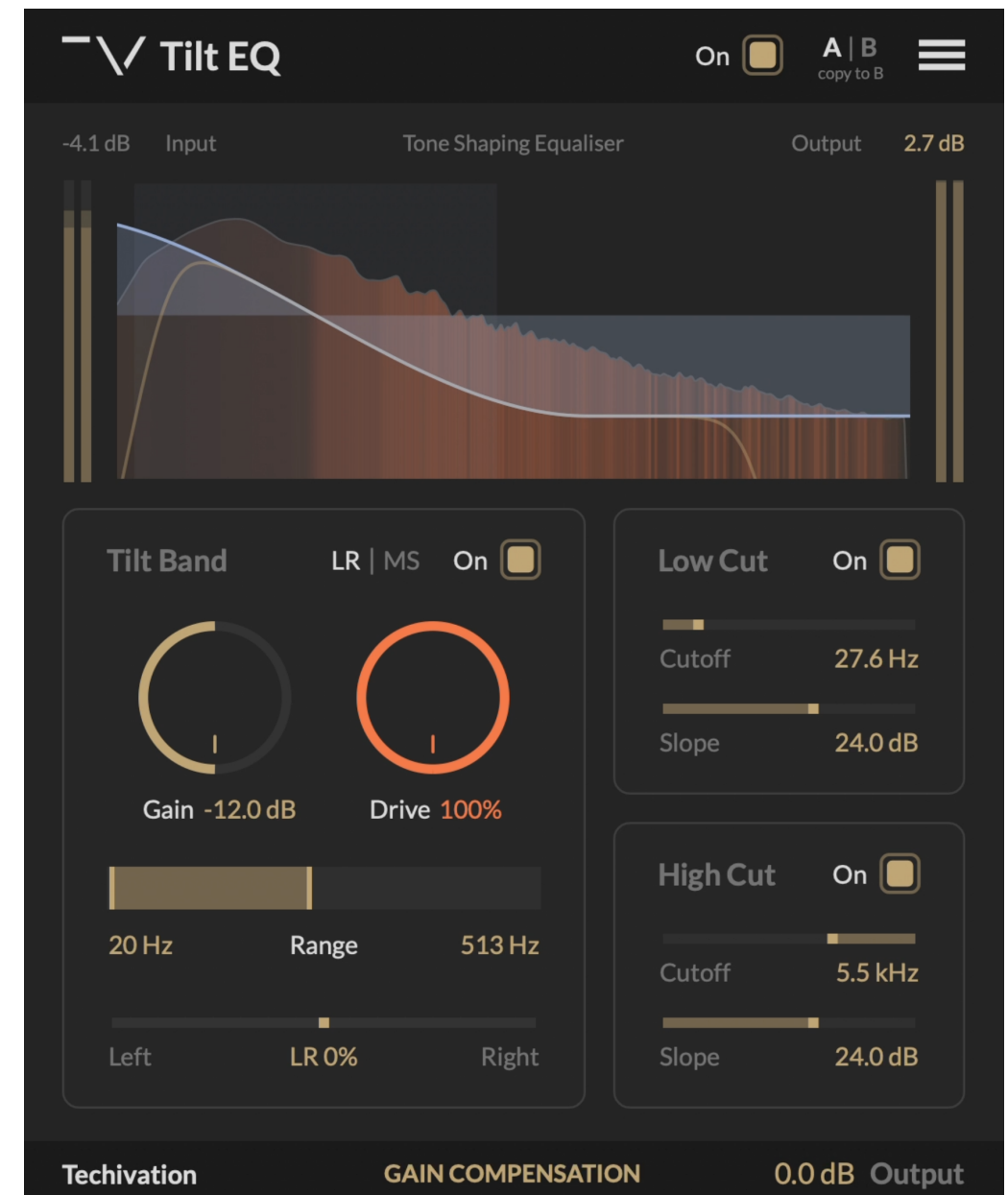
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EQ Curve Display

The golden curve represents the total spectral adjustment performed by Tilt EQ. When you hover over the Tilt Band, the pure tilt curve (not affected by Low Cut and High Cut filters) is displayed in blue to help with setting the band parameters.

Analyser Mode

By default, the input spectrum visualiser is displayed behind the EQ curve. Using the Analysers Mode option in the main menu, you can choose between showing the input or output spectrum, or completely disabling the spectrum visualiser to rely entirely on your ears. Harmonics generated by the Drive control are overlaid over the spectrum visualiser in red.



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Spectrum Visualiser

Shows the input spectrum by default behind the EQ curve to assist with EQ decisions. Analyser Mode allows switching between input and output spectrum, or disabling the visualiser.

Drive Harmonics Overlay

Harmonics generated by the Drive control are overlaid over the spectrum visualiser in red.



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Filter Controls

Tilt EQ offers a pair of filters for cleaning up unwanted frequencies. Low Cut attenuates everything below its Cutoff. High Cut removes high-frequency energy above its Cutoff. Both filters include On/Off, Cutoff, and Slope controls.



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Compatibility

Plugin formats: VST, VST3, AU, AAX.

Windows: 7 and up as 64-bit VST and VST3, and 64-bit AAX (PT11 and up).

Mac OS: 10.11 (OS X El Capitan) or higher as 64-bit VST, VST3, and AU, and 64-bit AAX. Intel and Apple Silicon chips.

DAWs supported: Ableton Live, Logic Pro, Avid Pro Tools, FL Studio, Cubase, Nuendo, Reaper, and other major DAWs.

AAX requires Pro Tools 11 or higher.

Activation

Tilt EQ is a free plug-in, meaning there is no charge for using it based on our [terms & conditions](#).

As soon as you download and install the plug-in from our website, you're ready to go. Users are free to use the Tilt EQ plug-in for both commercial and non-commercial audio/music production projects.

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

Installation

A software download is supplied with your sign-up/purchase. You can also visit Techivation.com for the latest software updates.

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

- Mac: Double click the PKG installer and follow the instructions
- PC/Windows: Extract the archive, run the installer, and follow the instructions.

*Note: If you have older macOS versions, use the legacy macOS installer when provided.

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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