

AIVA TILT EQ

Linear-Slope Dynamic Tilt Equalizer (Windows 64-bit | VST3)

Overview

Aiva Tilt EQ is a precision linear-slope equalizer designed to shape the overall tonal balance of vocals, instruments, buses, and full mixes in seconds. Unlike traditional shelving tilt EQs that flatten out at the frequency extremes, Aiva Tilt EQ uses a cascade across the entire 20 Hz to 20 kHz spectrum to deliver a true, surgical straight-line tilt around your chosen Center Frequency.

Equipped with a calibrated real-time RTA spectrum analyzer and an intelligent Dynamic Harmonic Tracking engine, the entire EQ curve—including your High-Pass and Low-Pass filters—dynamically glides along the frequency spectrum to follow moving vocal notes and melodic phrases.

Format & System Requirements

- **Format:** VST3 Plugin only (64-bit)

- **Operating System:** Windows 10 / Windows 11 (64-bit)
- **Supported DAWs:** Any VST3-compatible host (Studio Fender, Cubase, Reaper, FL Studio, Ableton Live, Bitwig, Cakewalk, etc.)
- **Audio Quality:** 32/64-bit floating-point internal processing, zero latency, bit-transparent at 0.00 dB, supports all sample rates from 44.1 kHz up to 192 kHz.
- **Activation:** After payment is confirmed, we will send you an email with the license key within 48 hours.

Calibrated 0 dB Pink Noise RTA Analyzer

The built-in 4096-point high-resolution RTA spectrum analyzer is factory-calibrated to a **0 dBFS Pink Noise reference standard.**

- **True 1:1 Visual Reference:** A balanced 0 dBFS pink noise signal sits completely flat along the central **0 dB** axis from 20 Hz to 20 kHz.
- **Accurate Tonal Balance:** Every decibel of tilt boost or cut you apply is reflected 1:1 on the ±12 dB display, giving you an instant, reliable visual guide for mixing and mastering.

Quick Start Setup

1. Run `AivaTiltEQ_Setup.exe` to automatically install the VST3 plugin into your system VST3 folder (`C:\Program Files\Common Files\VST3`).
2. Load Aiva Tilt EQ onto any vocal, instrument, bus, or master track in your DAW and paste your license key to activate.
3. Set the Center Freq (orange pivot point) to the frequency area where you want your tonal balance to pivot (default is 800 Hz).
4. Turn the Tilt knob clockwise (+dB) for instant brightness, clarity, and air, or counter-clockwise (-dB) for warmth, body, and low-end weight.

Controls & Parameters

- HIGH-PASS (20 Hz – 20 kHz) & SLOPE (6, 12, 24, 48 dB/oct) Removes unwanted sub-bass rumble and low-end mud below your chosen cutoff frequency. Marked by a green node on the curve, it moves synchronously with the pivot point when Dynamic tracking is engaged.
- TILT (-12 dB to +12 dB) Controls the linear slope angle across all internal bands. Positive values simultaneously boost high frequencies and attenuate low frequencies, while negative values boost lows and attenuate highs around the pivot point.
- CENTER FREQ (80 Hz – 6000 Hz) Sets the central pivot frequency (marked by the orange node on the 0 dB axis) around which the entire tilt slope rotates.

- DYNAMIC (0 % – 100 %) Engages the focused dual-band harmonic detector centered directly around your orange pivot node. As vocal notes or melodic phrases shift upward or downward in pitch, the orange pivot—along with the entire Tilt curve and your High-Pass/Low-Pass filters—glides smoothly along the 0 dB axis to follow the performance in real time.
- LOW-PASS (20 Hz – 20 kHz) & SLOPE (6, 12, 24, 48 dB/oct) Attenuates harsh top-end hiss or digital fizz above your chosen frequency limit. Marked by a coral-red node on the curve, it shifts proportionally alongside the dynamic pivot point.
- OUTPUT (-12 dB to +12 dB) Adjusts the final output level of the plugin. Automatically bypassed when BYPASS is active for accurate level-matched A/B listening.
- BYPASS Disengages all EQ processing and output gain changes so you can compare the processed and unprocessed signal directly.

Pro Workflow Tips

- Dynamic Vocal Body & Clarity: Set Center Freq to 500 Hz, tilt slightly positive (+2 to +4 dB) to clean up low-mid muddiness while adding air, set High-Pass to 80–100 Hz, and raise Dynamic to 35–50 %. As the singer moves to higher notes, the entire curve and High-Pass filter glide upward to keep the vocal balanced and warm.
- Fine-Tuning Controls: Use your mouse wheel for ultra-smooth micro-adjustments on any knob, or double-click any control to reset it to its factory default value.

