USER MANUAL

T SOUND MAN

AutoEQ Live

VST3 / AU plug-in · Windows · Mac

A 5-band EQ for live sound with **Auto EQ**, which listens to the signal and gently moves the tone towards a Target Profile. Made for vocal and speech mics on stage. VST3 / AU / Standalone on Windows and Mac. **Zero latency (0 samples)**: every filter is IIR.



The plug-in while Smart Q cuts a narrow resonance at 2.3 kHz (◆)

What's new in 1.0.2

- **New Smart Q**: analyses the sound at 1/12 octave. A narrow peak or dip is fixed at its own frequency and Q (up to 6 of them, shown as ◆ on the graph) instead of with a bell an octave wide.
- **The 5 bands are independent of Auto EQ**: your bands come after Auto EQ and always give exactly what you set (Auto EQ used to pull them back).
- **Opens with flat bands**: only Auto EQ works until you turn a band.
- **Auto EQ boosts as well as cuts**: Cut Only is gone; Max Correction sets how far it may go.

Install

- **One-click installer (recommended):** Windows: run **AutoEQLive-...-Windows-Setup.exe**. Mac: open **AutoEQLive-...-macOS-Installer.pkg** (right-click → Open the first time). It puts the plug-in in the right folders and replaces an older version.
- Or install by hand from the zip files:

- **Windows (VST3):** unzip and copy **AutoEQ Live.vst3** to **C:\Program Files\Common Files\VST3**
- **Mac (VST3):** copy **AutoEQ Live.vst3** to **/Library/Audio/Plug-Ins/VST3/**
- **Mac (AU for Logic / GarageBand):** copy **AutoEQ Live.component** to **/Library/Audio/Plug-Ins/Components/**
- **Mac (first time after installing):** open **Terminal**, paste the command below and enter your Mac password when asked, so macOS allows the downloaded plug-in. Then reopen your DAW.
- Rescan plug-ins in your DAW (or Signal Rack). It is listed under **EQ**, maker **T Sound Man**.

> sudo xattr -dr com.apple.quarantine "/Library/Audio/Plug-Ins/VST3/AutoEQ Live.vst3" "/Library/Audio/Plug-Ins/Components/AutoEQ Live.component"

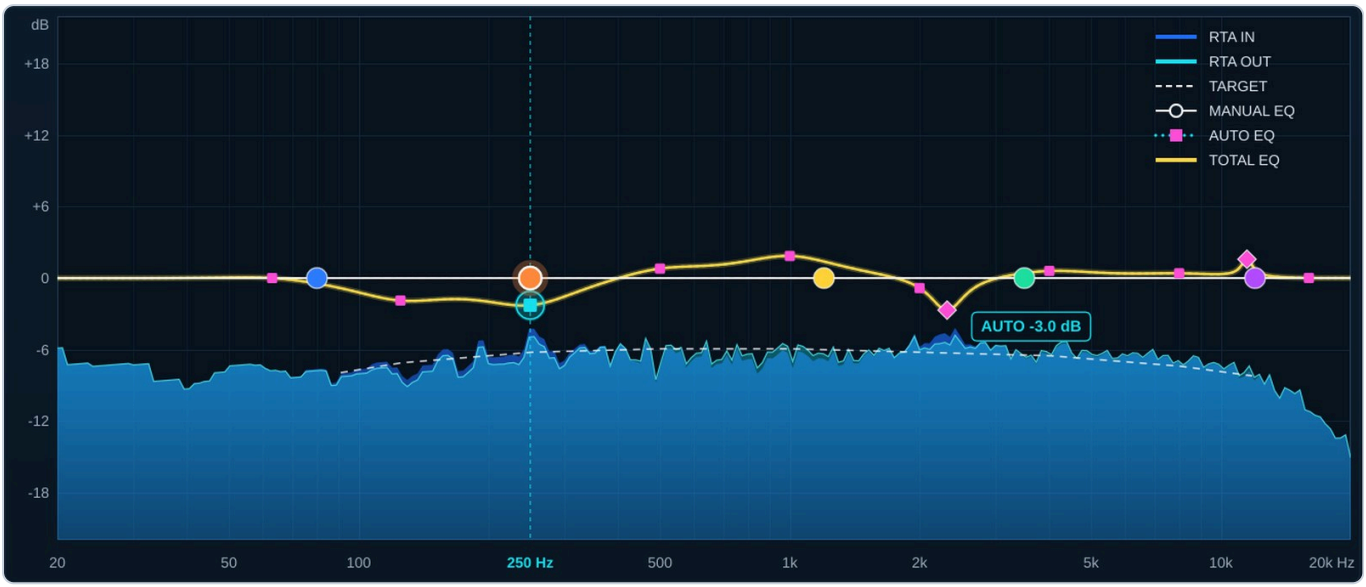
Quick start

1. Insert it on the vocal channel and pick the **Vocal Live** preset (top right).
2. Let the singer sing for 5–10 seconds. **ADAPTING** lights up and the pink dotted AUTO EQ curve starts to move.
3. When the tone sounds right, press **LOCK** to hold the curve for the show, or press **LEARN** to listen for 6 seconds and lock automatically.
4. Shape the tone further with the 5 bands. They come after Auto EQ and are independent of it: Auto EQ never pulls back what you set.

Top row

- **TRIAL / LICENSED badge**: days of trial left. Click it to enter a licence key.
- **Preset**: 17 presets, listed under Presets below.
- **samples latency**: the plug-in's latency (always 0).
- **BYPASS**: switches processing off with a crossfade, so there is no click.

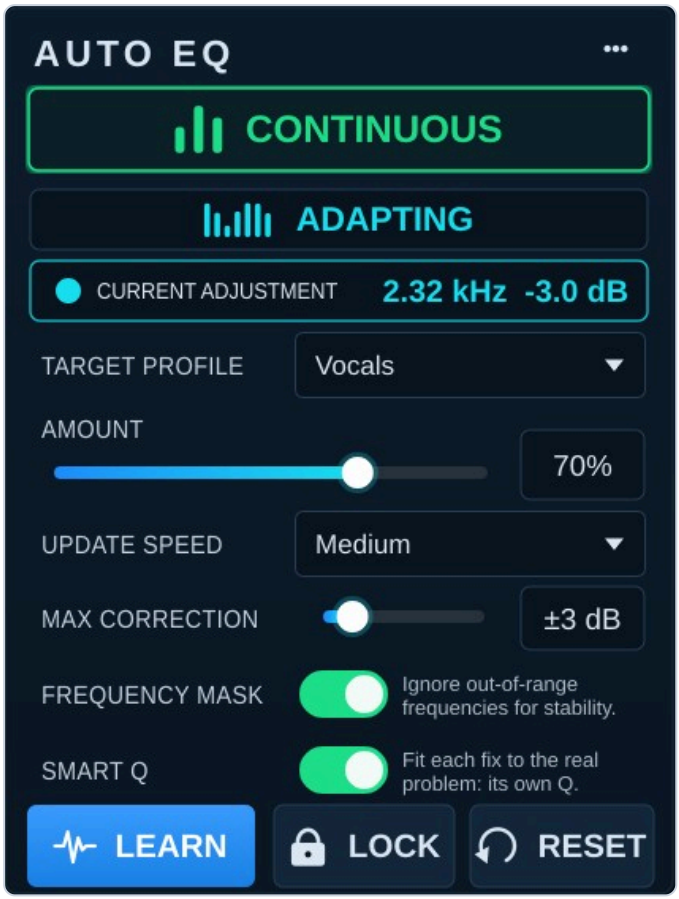
EQ graph



RTA and EQ curves: ◆ is a Smart Q band at work

- **RTA IN / RTA OUT**: the spectrum before and after the EQ.
- **TARGET** (dashed): the tone of the selected Target Profile.
- **MANUAL EQ** (white): your 5-band curve.
- **AUTO EQ** (dotted): everything Auto EQ does. The 9 pink squares (63 Hz to 16 kHz) correct the broad balance; a ◆ **diamond** is a Smart Q band, sitting at the real frequency and Q of a narrow problem.
- **TOTAL EQ** (yellow): what the audio actually gets.
- **Drag a coloured dot** to set that band's Freq / Gain, **turn the mouse wheel** for Q, **double-click** to reset Gain to 0 dB.

AUTO EQ panel



AUTO EQ panel

- **CONTINUOUS**: turns continuous adaptation on or off. When off, the Auto EQ curve eases back to flat.
- **Status**: ADAPTING, WAITING FOR SIGNAL, LEARNING xx% or LOCKED. Only audio above -60 dBFS is measured, so silence does not pull the curve.
- **CURRENT ADJUSTMENT**: the point being corrected the most, Smart Q bands included, e.g. 2.32 kHz -3.0 dB.
- **TARGET PROFILE**: Vocals, Speech, Acoustic, Full Mix, Flat, **Main PA** (a PA house curve: fuller low end, a gentle downward tilt and a roll-off above 8 kHz) and **Mastering** (the balance of mastered music, about 1.5 dB per octave down against pink noise).
- **AMOUNT** 0–100 %: how far to move towards the target.
- **UPDATE SPEED**: Slow (10 s average), Medium (4 s), Fast (1.5 s).
- **MAX CORRECTION** ±1 to ±12 dB: the limit for Auto EQ as a whole, boost and cut (an octave point and a Smart Q band on the same spot add up to no more than this). ±3 dB is recommended for live work.
- **FREQUENCY MASK**: leaves alone the ranges outside the profile and ranges too quiet to hold real signal.
- **SMART Q**: analyses at 1/12 octave and fixes narrow problems (mic or room resonances) at their own frequency and Q, up to 6 at once. A peak has to stay put for a few seconds first, and very

narrow lines such as the harmonics of a sung note are left alone, so it does not chase the melody. With Smart Q off only the 9 octave points work.

- **LEARN**: listens for 6 seconds (counting only while there is signal), then locks the result. While it listens the button fills up as a progress bar; when done it turns **green** and reads **LEARNED**. RESET, a new LEARN or turning LOCK off brings it back to blue.
- **LOCK**: holds the current Auto EQ curve. Use it once the show starts.
- **RESET**: clears the Auto EQ curve and starts listening again.
- **··· button**: RTA IN / OUT on or off, and Flatten manual bands (all bands back to 0 dB).

Presets

Pick one from the preset box at the top right. A preset sets the 5 bands, Target Profile, Amount, Update Speed and Max Correction together, then starts listening again.

- **Vocal Live**: General vocal mic (Vocals). The default when the plug-in opens: all bands flat, only Auto EQ working.
- **Male Vocal / Female Vocal**: Male / female vocal mic (Vocals)
- **Backing Vocals**: Backing vocal mics, slower and gentler (Vocals)
- **Speech / Podium**: Speech mic, podium (Speech)
- **Pastor / Sermon**: Preacher or long talks (Speech)
- **Headset / Lavalier**: Headset and lapel mics (Speech)
- **Acoustic Guitar**: Acoustic guitar (Acoustic)
- **Piano / Keys**: Piano, keyboards (Acoustic)
- **Full Mix**: Group or subgroup (Full Mix)
- **Playback Track**: Backing tracks, playback (Full Mix)
- **Main PA - Music / Main PA - Speech**: Main PA bus for music / speech events (Main PA)
- **Mastering - Pop/Rock, EDM/Hip-hop, Acoustic/Jazz**: Mastering or recorded music (Mastering)
- **Flat / Init**: Start from zero (Flat)

Bottom row: 5 bands and INPUT / OUTPUT



5-band EQ

- Each band has an on/off button, a filter type (Low Cut, Low Shelf, Peak, Notch, High Shelf, High Cut) and **FREQ** 20 Hz–20 kHz, **GAIN** ±18 dB, **Q** 0.1–18.
- **INPUT / OUTPUT**: level meters. Click the **gear** to set the trim, -24 to +12 dB.

Tips

- Remove the low end with Band 1 (Low Cut) first so Auto EQ does not chase wind and stage rumble.
- For feedback, use Feedback Killer. Auto EQ corrects tone; it is not a feedback suppressor.
- Keep **MAX CORRECTION** low on stage. Small, continuous corrections sound more natural than big ones.
- Auto EQ can boost too. In a room that rings easily, keep Max Correction at ±3 dB and run Feedback Killer on the same channel.

Licence and trial

Every feature works for a 14-day trial. When the trial ends without activation, the Auto EQ curve returns to flat and stops adapting; the 5-band EQ, trims and bypass keep working, so the show never loses its sound. Buy a licence at tsoundman.com, click the **TRIAL** badge at the top, paste the licence key (it starts with FK2-) and press **Activate**.

If activation fails

- The licence window has **Paste code from clipboard** (pastes the key you copied) and **Load key file…** (reads the key from a .txt file). Both work even in hosts that block Ctrl+V / Cmd+V or right-click Paste inside plug-ins.
- Spaces and hidden characters that LINE or e-mail add to a copied key are removed automatically. Result messages always stay on top, so they never hide behind the host window.
- **No licence code** — the key box was empty. Copy the key again and click **Paste code from clipboard**, or save the key in a text file and use **Load key file…**
- **Could not connect to the licence server** — check the internet connection, then update to the latest version from the product page or **My library**. New versions activate through tsoundman.com, which every network can reach.
- **Invalid licence code** — the key must start with FK2- and belong to this product (a key for one product does not work in another). If it still fails, send a screenshot on LINE and we will check it or issue a new key.