Waves Curves Equator Plugin Update



Waves Audio, the world's leading developer of professional audio signal processing technologies and plugins, is now shipping Curves Equator Live, a new function included in the Curves Equator plugin. This component features the same resonance suppression and frequency unmasking as the studio version, all in real time with zero latency.

Curves Equator Live offers smarter resonance suppression in real-time: Front-of-house and Monitor engineers can now achieve instant dynamic and tonal control across live vocals, instruments, master bus, and playback tracks, ensuring consistent sonic quality. Producers can record with pristine, mix-ready vocal sounds, enhancing both performance and production from the very first take. (Owners of the original Curves Equator can update in Waves Central to receive this new component for free.)

Additional Features:

- Curve Freeze Feature: This feature freezes the plugin's processing curve when audio falls below the threshold set by the Curve Freeze control. (This

Phoca PDF

feature has also been added to Waves' Silk Vocal Live plugin.)
- Platform Compatibility: Curves Equator Live now works with all live platforms, including eMotion LV1 Software Mixer, eMotion LV1 Classic, SuperRack SoundGrid, SuperRack
- Performer and Avid VENUE (SoundGrid Rack for VENUE).
- New "Solo" Toggle: Both the Studio and Live versions of Curves Equator now include a 'solo' toggle for the node display.

Curves Equator is an advanced, next-generation resonance suppression plugin offering groundbreaking frequency unmasking. By using the main knob to bring down the "Equator line," the plugin immediately improves any vocal, instrument, sample track, or full mix with targeted, artifact-free linear-phase filtering to remove problematic frequencies, fix resonances, balance inconsistencies, or adjust frequencies within overlapping sounds, so that each sound can be heard more clearly.

What sets Equator apart is its "Learn" function, which listens to your audio and creates a personalized suppression curve. Most other available resonance-targeting solutions are one-size-fits-all, processing sound via a generic average curve, often harming the unique sound you've created. By "Learning" the audio, Equator gives users a customized processing curve, protecting against anomalies and imbalances while never overprocessing.

Furthermore, by using "Learn" to capture a healthy part of a mix or track as a template, Equator can then process the rest of the signal to match it. Users can even choose their "flavor of balance" with the Shape & Tilt controls, which adjust the processing target according to taste. "Learning" via a sidechain can create truly magical results in a mix, with sources no longer clashing in the same frequencies. For example, if the vocals are the most important element in the mix, users can "SC Learn" the vocal curve and apply its inverse shape on an instrument bus to carve perfect space for both, statically or dynamically.

Many sources have issues that are not immediately apparent due to a user's room acoustics, speaker quality, or masking by other instruments. These "hidden" issues can now be resolved by using the "Equator line" in the plugin's user-friendly GUI. By simply lowering the "Equator line," you can achieve a sonic effect similar to lifting a blanket off the mix, resulting in a clearer sound. With Equator, users get a "self-driving" EQ that delivers perfect balance and zero resonance, ensuring every element of a mix is in its rightful place.

Conventional resonance suppression or dynamic EQ can quickly kill the overall feel and energy of a mix by overprocessing the problem areas. Waves Curves Equator addresses this issue with its "Auto Makeup Gain" feature (that can be toggled on/off). This unique feature adaptively adjusts energy and frequency in real time using dynamic makeup gain. It matches the perceived output loudness to the input RMS (Root Mean Square, representing the average power or loudness of an audio signal over time), by boosting the level of the frequencies not attenuated and

Phoca PDF

maintaining the same energy. This ensures that any reduced energy is compensated for, keeping the master output unchanged. Additionally, three adjustable crossovers and 8 nodes provide extra control over Equator’s resonance targeting and processing.

Curves Equator Live is available as a feature within the Curves Equator plugin, included in the Waves Mercury bundle. It has also been added to the Waves Ultimate plugin subscription, which includes all 230+ Waves plugins as monthly or annual subscriptions.

www.waves.com

Phoca PDF