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FOR IMMEDIATE RELEASE

# Biased 1.1.2

Component-modeled tube preamp — free for Windows, and newly renamed

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**NASHUA, New Hampshire, USA — August 14, 2026** — CarbonDSP today released **Biased 1.1.2**, a free component-level-modeled tube preamp, available as a VST3 plugin and standalone application for Windows. The plugin was previously called Bias-X; this release carries the new name and an entirely rebuilt factory preset library.

Biased models the preamp at component level rather than as a curve. Two cascaded gain stages run into a real grid-bias point that shifts dynamically with signal, a power supply that sags under drive, and independent input and output transformer saturation. A capacitor-ageing control colours the response across three capacitance sizes, from tight and modern to loose and worn, and an envelope follower and free-running LFO with four shapes add movement over time. Because the bias point moves rather than sitting fixed, the same setting responds differently to a quiet passage and a loud one.

**The plugin has been renamed.** Another company already ships a plugin called Bias-X, and two products sharing a name serves nobody trying to work out which one is meant. The change is cosmetic in the way that matters most to existing users: as far as a DAW is concerned this is the same plugin it always was, so saved sessions load and recall exactly as before, and user presets are carried over automatically on first load with the originals left in place as a safety net.

The factory library was rebuilt from nothing for this release, and the reason is worth stating plainly: the previous set of 40 presets did not survive its own listening test. Measured afterwards, too many were the same idea under different names — a bass preset and a guitar preset that were very nearly identical settings. The replacement contains 32 presets, each starting from something the plugin can do that the others do not: running the valve cold so it barks rather than thickens, letting the supply sag until the sound blooms and pumps, placing the transformer before the valve so the low end saturates, or after it so the weight stays clean. Measured the same way, the new library spreads 1.65 times as far and contains no near-duplicate pairs, where the old one contained ten.

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## KEY FEATURES

- **Component-level valve model** — two cascaded gain stages, a dynamic grid-bias point and supply sag under drive, rather than a fixed transfer curve
- **Independent input and output transformer saturation** — colour available with no valve drive at all, from the iron and the ageing capacitors alone
- **Capacitor-ageing control** across three capacitance sizes, from tight and modern to loose and worn
- **Live signal-path visualizer** — four waveform lanes from input to output, a transfer-curve plot pulled from the same math the audio thread runs, and a heat ramp that glows hotter as the valve is driven
- **Modulation section** — an envelope follower plus a free-running LFO with four shapes
- **32 factory presets** rebuilt on distinct mechanisms rather than by category, level-matched against untreated signal so switching one on tells you whether you like it, not whether it is louder

- **About 1.1% of one CPU core** per instance, and verified against pluginval at strictness 10

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## PRICING AND AVAILABILITY

Biased 1.1.2 is available now as a free download from **www.carbondsp.com**. A free account is required, so that downloads live on the user's account page.

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## SYSTEM REQUIREMENTS

|            |                                        |
|------------|----------------------------------------|
| Formats    | VST3, Standalone application           |
| System     | Windows, 64-bit (code signed)          |
| Host       | Any VST3-compatible DAW, or standalone |
| Validation | Passes pluginval at strictness 10      |

macOS and Audio Units are not available in this release.

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## LINKS

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|--------------|-------------------------------------------------------------------------------------------------|
| Product page | <a href="https://www.carbondsp.com/plugins/biased">https://www.carbondsp.com/plugins/biased</a> |
| All plugins  | <a href="https://www.carbondsp.com/plugins">https://www.carbondsp.com/plugins</a>               |
| Press kit    | <a href="https://www.carbondsp.com/press">https://www.carbondsp.com/press</a>                   |

## PRESS ASSETS

Product images are available on request from **info@carbondsp.com**, and the current press kit is at **www.carbondsp.com/press**.

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## ABOUT CARBONDSP

CarbonDSP develops unique instruments and effects with the belief that anything is possible with a little imagination and a lot of real-world measurements. CarbonDSP is based in Nashua, New Hampshire.

More information: [www.carbondsp.com](http://www.carbondsp.com)

## PRESS CONTACT

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