

# Dynawide User Manual



## Welcome to DYNAWIDE

DYNAWIDE is a meticulously designed plugin created by sound engineers, developed from a concept tested over many years. It is a multiband and advanced sound manipulation plugin that adds both stereo width and depth to the sound while maintaining a perfect balance. DYNAWIDE can be used on any sound source you can think of, from the lowest to the highest frequencies, in mixing, mix bus, and master bus. With its capabilities, DYNAWIDE can flawlessly revive the sound. DYNAWIDE is a versatile and powerful plugin that provides impeccable control over stereo width, depth, and tonal balance. Whether you are working on a mix, mix bus, or master bus, DYNAWIDE's capabilities ensure that your sound can be revived and enhanced with precision. Explore the various features and find the perfect settings to transform your audio experience.

## Getting Started

**Install the Plugin:** Please close your DAW first. When you download the installation files, double-click the package to install the plugin just like any other application. Start your DAW; it should scan the installed DYNAWIDE and appear in your plugin list under the W.A. Production brand. Follow the installation instructions specific to your digital audio workstation (DAW).

**Supported Formats:** VST, VST3, AU, AAX, both Intel and Apple Silicon-based CPUs as well as Native AAX format. It should work on all major DAWs and 3rd party plugin-supported audio editors.

**Trial:** The plugin will fully function for 14 days. If you have purchased a license please click the “ACTIVATE” icon to activate the plugin. Follow the steps.

**Let's dive in and find out what makes DYNAWIDE so special!**

### **LINEAR: ON/OFF**

By default, DYNAWIDE's crossover filters operate in minimum phase (zero latency) mode and are 6 octaves per band. This button allows the multiband crossover filters to operate in linear phase mode. Use this feature if you want the multiband algorithm to work in linear phase during mastering or on the mixbus or as you wish. Linear Phase mode makes the Band Faders operate more steeply in terms of volume adjustment.

### **ANALOG MINIMUM PHASE MODE**

When the LINEAR button is off, DYNAWIDE uses classic analog-type crossover filters by default. These filters have zero latency and are specifically designed with 6dB/octave to introduce minimal phase changes.

260 Hz

2000 Hz

10.0 kHz

## CROSSOVER FREQUENCIES

DYNAWIDE consists of a total of 4 bands, and you can select the desired frequency separations using the crossover frequencies. Simply hover your mouse over the frequencies, click, and drag your mouse up or down to set the frequencies. Alternatively, you can use your mouse wheel to change the frequency ranges and double-click on the numbers to manually enter the desired frequency.

## W-LIM (WIDTH LIMIT) BUTTONS

These buttons significantly prevent the SIDE signal from being louder than the MID signal during stereo width enhancement, thus increasing mono compatibility. This ensures that even if you push DYNAWIDE to its limits, mono compatibility is largely maintained.

## WIDTH KNOBS

These knobs allow you to push the stereo width to its limits, increasing the stereo width. Unlike other classic stereo width enhancement systems, the level of the MID signal does not change, which greatly reduces the effect of MID signal loss in mono listening.

## PAN KNOBS

When performing stereo manipulation, panning certain frequencies at different angles is an excellent method. The PAN knobs in DYNAWIDE allow you to pan the affected frequency. For instance, with certain pre-made drum loops, you can pan a specific sound within the loop to the desired position in the soundstage without having to pan the entire drum loop.

## DEPTH KNOBS

Depth knobs provide the boosted convolution of the depth effect that classic analog compressors give to the sound. It allows you to add depth to the affected frequency range. This knob can give the sound a front-to-back expansion effect, eliminating dryness and adding excellent depth during sound staging.

## HEAT KNOBS

Heat knobs add meticulously designed harmonic richness to the affected frequency. Unlike classic saturations, you can add warmth to the frequency without crushing transient responses, enriching the sound.



## MONO-TO-STEREO (STEREO TO MONO) BUTTONS

These buttons, located under each band fader, allow you to convert the affected frequency from mono to stereo and vice versa. These buttons work in 3 steps: when you see the Mono sign, the sound converts to mono. For instance, you can keep the low-frequency region in mono during stereo widening and depth addition processes. Conversely, you can widen the upper frequencies of a bassline while maintaining mono compatibility. Besides Mono and Stereo icons, there is a third "stream" icon. When selected, DYNAWIDE does not affect that frequency and uses it as it is.



This icon means the audio is untouched and as is



This icon means audio is now converted to mono



This icon means audio is now converted to stereo

## BAND VOLUME FADERS

These faders, operating within a range of  $\pm 24$  dB, allow you to adjust the volume of any desired band in a multiband manner. Compared to classic EQs, you can manipulate the tonal balance of the sound over a wider range by adjusting the volume. With the combination of all other buttons, you can have perfect control over the tonal balance of the sound.

## SOLO LISTEN BUTTONS

Solo listen buttons are very useful when you want to isolate and listen to the frequency range you are working on. You can listen to the specified frequency range solo. For a sharper separation, you can temporarily activate the LINEAR MODE and perform the listening.

## WET/DRY

Use this knob to balance the processed signal with the unprocessed signal. In short, it mixes the processed signal with the unprocessed signal.

## Other Controls

**Presets:** You can select pre-made presets or save your own categories and presets here.

**Reset:** Resets main parameters to their default settings. **Please note:** when you click it, you cannot take the action back. It simply resets all parameters.

**Oversampling OFF 2X 4X:** Activates 2 or 4 times linear oversampling. This will increase CPU usage. Most of the time, you won't need it as unwanted aliases are minimal in DYNAWIDE. It's not a critical feature in DYNAWIDE, but it's there just in case.

**ON/OFF:** This button bypasses the plugin.

**INPUT:** This knob adjusts the incoming signal into the plugin.

**OUTPUT:** This knob adjusts the output signal out of the plugin.

**LIM:** This button will activate the Output Limiter preventing clipping. The output knob will override the limiter.

**COPY, A, B, UNDO, REDO:** These are self-explanatory controls for testing 2 different settings or undoing/redoning actions. **Please note:** when you click the **Reset** button, you cannot UNDO or REDO. It simply resets the entire state of the plugin by design.