



VWB-1X

VINTAGE WORKBENCH



VWB-1X VINTAGE MULTI-FX WORKBENCH GENERAL OVERVIEW

A VERSATILE WORKHORSE

VWB-1X | VINTAGE MULTI-FX WORKBENCH

The VWB1X is a versatile channel strip plugin that combines four of Black Rooster Audio's most acclaimed vintage-modeled processors into a single, unified workflow. By integrating multiple stages of classic analog processing into one cohesive interface, the VWB1X enables engineers and producers to shape tone, dynamics, and frequency balance with the speed and musicality traditionally associated with high-end studio hardware.

Inspired by legendary units such as the Tube-Tech Classic Channel, the VWB1X brings together the warmth and smooth compression of vintage tubes with the precision and musicality of passive equalization. The result is a signal path that captures the rich harmonic character of classic analog gear while offering the consistency and flexibility expected from modern digital production environments.

Designed for modern production demands, the VWB1X extends the classic channel strip concept into a powerful tool for both mixing and mastering. Its four integrated modules operate seamlessly within a single interface, allowing fast and intuitive processing that ranges from subtle corrective adjustments to character-driven tonal shaping and compression. This integrated workflow reduces the need for complex plugin chains and helps maintain a clear overview of the signal path during critical mixing decisions.

Featuring Black Rooster Audio's original VTC-2 Tube Compressor alongside vintage-inspired filters and equalizers, the VWB1X is more than just an integration of classic modules. It is enhanced with modern capabilities such as mid/side processing, flexible routing options between modules, and streamlined global metering for accurate gain staging.



Creativity, meet workflow. With its intuitive interface, the VWB-1X Vintage Work Bench welcomes both seasoned professionals and ambitious producers. Whether shaping a single track or refining an entire mix, the VWB-1X blends vintage character with modern flexibility—bringing powerful channel strip processing together in one streamlined environment.

Embrace the VWB-1X and elevate your sound. Draw from the spirit of classic analog processing while working with the clarity and efficiency of modern production. Experience the VWB-1X—where heritage meets innovation, and musical ideas take shape with precision and character.

FURTHER INFO

PLUGIN ACTIVATION & SYSTEM REQUIREMENTS

All Black Rooster Audio plug-ins are equipped with a straightforward and easy to use, serial-based activation system. We did our best to ensure that our system works well for both online and offline users. By supporting USB key activation, mobile use is supported just as easily as permanent licence activation on your computer's hard disk is.

For detailed information on activation and the current system requirements of our plug-ins, please refer to <https://blackroosteraudio.com/en/faq>

VWB-1X VINTAGE MULTI-FX WORKBENCH

GENERAL OVERVIEW

FEATURE OVERVIEW

FOUR-IN-ONE ANALOG WORKBENCH

The VWB-1X combines four of BRA's vintage-modeled processors into a single integrated channel strip. By merging filtering, equalization, and tube compression into one cohesive interface, the plug-in creates a streamlined signal path that mirrors a classic analog studio workflow.

Instead of managing multiple plug-ins in a chain, engineers can shape tone, control dynamics, and refine frequency balance within a unified environment. This approach not only accelerates workflow but also encourages a more musical and intuitive mixing experience.

AUTHENTIC VINTAGE FILTERS & EQ

The VWB-1X incorporates faithful circuit emulations of classic analog filtering and passive equalization designs. Carefully modeled high-pass and low-pass filters allow precise control over unwanted frequencies, while the musical response of the equalizers provides smooth tonal shaping without harsh artifacts.

CHARACTER-DRIVEN TUBE COMPRESSION

At the heart of the VWB-1X lies Black Rooster Audio's VTC-2 tube compressor. Known for its warm harmonic character and smooth dynamic response, the compressor adds both control and coloration to the signal.

From gentle leveling to more pronounced dynamic shaping, the tube compression stage enhances presence and cohesion while preserving the musical integrity of the source.

FLEXIBLE SIGNAL ROUTING

The VWB-1X allows the compressor to be placed either before or after the equalization stages, giving you full control over the signal flow. Compressing before EQ stabilizes dynamics prior to tonal shaping, while placing compression after EQ lets frequency adjustments influence the compressor's response. This routing flexibility mirrors the workflow of professional analog channel strips.

ADVANCED STEREO AND MID/SIDE PROCESSING

The VWB-1X provides advanced stereo processing for modern mixing and mastering tasks. Stereo Link mode keeps left and right channels processed coherently, preserving a stable stereo image. Mid/Side mode allows independent processing of the center and stereo width components, making it easy to refine spatial balance and stereo depth.

UNIFIED VU METERING

A large central VU meter offers clear visual feedback for accurate gain staging. It can display input level, output level, or gain reduction depending on the selected monitoring mode. This unified metering helps maintain optimal signal levels throughout the processing chain.

GLOBAL AND MODULE BYPASS

Each module within the VWB-1X can be individually bypassed to evaluate its contribution to the signal. A global bypass switch allows instant comparison between the processed and original audio, making it easy to assess processing decisions during mixing.

VWB-1X VINTAGE MULTI-FX WORKBENCH PLUG-IN CONTROLS



» **LOW CUT (CPS)**
Ranging from 50Hz to 2000Hz.

VHL-3C



» **HIGH CUT (KPS)**
Ranging from 1.5kHz to 15kHz



» **PEAK (LOW-MID)**
Boost fundamental frequencies (200Hz - 1kHz)

VEQ-5



» **DIP (MID)**
Attenuate harshness or "mud" (200Hz - 7kHz)



» **PEAK (HIGH-MID)**
Add presence and clarity (1.5kHz - 5kHz)

VWB-1X VINTAGE MULTI-FX WORKBENCH PLUG-IN CONTROLS



» LOW FREQUENCY

Boost and Attenuate simultaneously at 20, 30, 60, or 100Hz to create a resonant shelf.

VEQ-1P



» HIGH FREQUENCY

Boost with variable bandwidth (Sharp to Broad) for "air" or "snap".

» HIGH ATTENUATION

Smooth out high-end harshness (5k, 10k, 20k).



» MODE DUAL/LINK

Lets you process the side channels either as separate left and right or as a single mono input

VTC-2



» INPUT & TRHESH & RATIO

Input and Threshold allow for adjusting the input gain and compression point.

Selection between 1:2, 1:4, 1:10, 1:20 allowing subtle and aggressive compression



» ATTACK/RELEASE TIME

Fast and slow attack and release allows for more precision over transients, shaping the envelope of sound.



» ROUTING SWITCH (PRE/POST) & MIX & MAKEUP

Unique to the VWB1X, this switch places the compressor either at the beginning of the chain (Pre-EQ) or after the equalizer sections (Post-EQ).

Dedicated mix knob for the compressor section allows for immediate parallel compression within the module. MakeUp gain for level adjustment

VWB-1X VINTAGE MULTI-FX WORKBENCH PLUG-IN CONTROLS



» VU METER

Displays levels based on the selector below it:

- IN: Input level before processing
- OUT: Output level after all processing
- GR: Gain reduction applied by the VTC-2 compressor

GLOBAL

» M/S PROCESSING & STEREO LINK

The VWB1X offers advanced stereo capabilities:

- Stereo Link: While linked, controls for both channels are engaged (Relative Linking). This allows you to apply the same processing to both channels, or to maintain any relative offsets you've created while adjusting the overall effect. For example, if you've boosted the High Frequencies on the Side channel by +2dB more than the Mid, turning the knob while linked will increase both while keeping that +2dB offset.
- M/S (Mid/Side) Processing: Unlink the channels to process the Mid (center information) and Side (stereo width) independently. For example, use the VEQ-1P to boost the low end on the Mid channel for a solid kick/bass foundation, while using the VHL-3C to cut low end from the Sides to clean up mud.
- **Output:** Master output gain from -10dB to +10dB
- **Mix:** Dry/wet mix for the entire plugin, allowing for parallel processing of the whole chain

» Oversampling Selection

To reduce aliasing, the unit provides an adjustable oversampling feature. Oversampling temporarily increases the internal processing sample rate, significantly minimizing unwanted artifacts. In the oversampling menu (context menu), you can select the desired factor:

Off: No oversampling. Higher risk of aliasing, but lowest CPU usage.

2x / 4x: Balanced settings offering reduced aliasing with moderate CPU consumption.

8x: Maximum aliasing suppression with increased CPU load.

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PREFS & INSTRUCTIONS

ADDITIONAL PLUG-IN PREFERENCES

(GEAR ICON MENU AT THE BOTTOM)

GUI SIZE

In the GUI size menu, you can select your preferred GUI ranging from a list of four settings, if you're looking to change the default sizing. Please note that the GUI size setting is a global preference that affects all Black Rooster Audio plug-ins installed on your system.

KNOB BEHAVIOUR & KEYBOARD SHORTCUTS

Use the plug-in settings menu to select your preferred knob mode globally. Please note that all of our plug-ins share the same settings across all DAW applications. Choose between "Host Setting", "Circular", "Relative Circular" and "Linear".

- By default, the knob mode is set to "Host Setting", which means that the knob mode is dictated by the DAW application. Some VST hosts allow you to change the knob mode setting in their preference menu. Our plug-ins will respect the host knob mode in that setting.
- In "Circular" or "Relative Circular" mode, all knobs will react to circular mouse gestures and you have to drag your mouse in a clockwise or counter-clockwise direction to change its value.
- In the "Linear" mode you have to drag your mouse up or down when selecting a knob to change its value. Use the knob sensitivity menu and adjust it to your liking. Please note that this function is only available in linear mode.

ALL OF OUR PLUGINS SUPPORT THE FOLLOWING KEYBOARD SHORTCUTS

AU Hosts on Mac OS

Alt + Click - Reset control to its default value Shift + Drag - Fine control

Shift + Mousewheel - Fine control

VST Hosts on Mac OS

CMD + Click - Reset control to its default value

Shift + Drag - Fine control (only applicable in linear knob mode) Shift + Mousewheel - Fine control

VST Hosts on Windows

Ctrl + Click - Reset control to its default value

Shift + Drag - Fine control (only applicable in linear knob mode) Shift + Mousewheel - Fine control