

H4000

Bus Compressor



The **HoRNet H4000** faithfully captures the legendary *'big console sound'* that is renowned for its ability to seamlessly blend and enhance your mixes.

Like the original unit, the virtual circuitry of the **HoRNet H4000** is based on a **VCA** that remains constantly engaged in the circuit, with the compressor's sidechain activated by the IN button.

This design allows the HoRNet H4000 to enhance your mix with cohesion and power while maintaining its clarity.

This effect provides the solid, polished quality that characterizes a professionally finished record. The unmistakable sonic glue that has elevated countless hit tracks is now at your fingertips, integrated into your favorite DAW. By incorporating the same principles as the classic hardware, the **HoRNet H4000** offers you the chance to achieve that coveted, solid sound directly within your digital environment.



As in the original unit, the **HoRNet H4000** features **multi-position switches** for the **RATIO**, **ATTACK** and **RELEASE** controls, while the **THRESHOLD** and **MAKE-UP** controls are **continuously variable** potentiometers.

In addition to the classic compressor controls, the **HoRNet H4000** provides easy access to **modern parameters** such as: fine input/output Trim control, Auto Trim, Auto Gain Reduction, and Auto Attack/Release calculations, oversample and dry/wet ratio. The combination of classic and modern controls allows you to quickly achieve the best sound for your mixes

Parameters:

Threshold: The **Threshold** control determines when compression starts. Signals that surpass this level are compressed to manage peaks creating a more cohesive sound. A lower threshold compresses more of the signal, while a higher threshold targets only the loudest parts. This allows precise adjustment of dynamic range reduction.

Ratio: The **Ratio** parameter controls the amount of compression applied to the incoming audio signal once it exceeds the threshold. The Ratio control provides **three preset values:** 2:1, 4:1, and 10:1. These settings adjust the amount of compression applied, with higher ratios delivering more intense compression.

MakeUp: This control compensates for any gain reduction in signal caused by compression. The makeup allows you to **boost** the output level to match or exceed the original signal level. It offers a continuous range from -5 dB to +15 dB.

Attack-ms: The **Attack** parameter, (measured in milliseconds) sets the time the compressor takes to start reducing the gain once the incoming signal exceeds the threshold. The Attack switch, offers **six attack rates:** 0.1; 0.3; 1; 3; 10 and 30 ms.

Release-s: The **Release** time controls how quickly the compressor stops applying compression after the signal drops below the threshold. The Release time is selectable between 0.1, 0.3, 0.6, 1.2 seconds, and **AUTO**. When AUTO is selected, the compressor automatically adjusts the release time in real-time accordingly to the characteristic of the incoming audio.

IN: the "IN" button acts as a bypass switch. When selected, the compressor is active otherwise it is bypassed.

Meter: the meter to the right of the plugin GUI displays the **gain reduction** applied by the compressor

Input / Output trims: input and output trim controls for precise adjustment of signal levels before and after compression. These controls can be automatically adjusted (**Auto Trim**) to a specified target (**Trim Target**) or linked (**Link I/O**) to maintain consistent levels between input and output.

AutoGR: Automatic Gain Reduction dynamically adjusts the compression level by modifying the threshold to achieve the **target gain reduction**.

Auto Att/Rel: adjusts the attack and release times automatically based on the incoming audio signal. This feature optimises compression settings dynamically, ensuring effective and natural-sounding compression without manual adjustments.

Dry/Wet: control blends between the original and processed audio signals, allowing flexible adjustment of effect intensity while preserving the original sound

Oversample: Set your preferred sampling rate to enhance accuracy and reduce artifacts like aliasing, when set to "Auto" the control automatically sets the best amount of oversampling according to the sample rate of your session.

ByPass: Completely bypass the plugin

Analog: Emulates the analog circuit of the original hardware unit which is based on a modern operational amplifier design.

Hiss: Replicates the subtle noise characteristics of the analog equipment, it can be turned off for a more modern sound.

Auto Make-Up: The **Auto Make-Up** automatically **adjusts the Make-Up gain** to compensate for the gain reduction caused by compression.

To fully master and enjoy the **HoRNet H4000**, experiment with your audio tracks and explore its various parameters, particularly the Attack/Release combinations, ratios, and the threshold level. Trust your ears, and you'll be able to recreate that unique, classic big console vibe.

If you have any questions or need assistance with the **HoRNet H4000** plugin, please contact our support team by submitting a **support request** here:

<https://www.hornetplugins.com/support/submit-support-request/>

We are here to help you get the most out of our products!