PSP BussPressor

Operation Manual

Acknowledgements

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PSPaudioware.com s.c.
Bugaj 12;
05-806 Komorów,
Poland.

PSP BussPressor

PSP BussPressor is a compressor optimized for group and master bus processing. It combines the sound of classic VCA compression with wide tuning capabilities. Extra controls allow you to adjust a side-chain high-pass and high-emphasis filtering, or apply parallel compression.

Compression Meter: This meter displays the compressor's average gain reduction level.

THRESHOLD TRIM: Sets the compressor's threshold.
Note: The actual threshold depends on the Threshold Trim and the Ratio settings.

MAKE-UP: Sets the amount of makeup gain.

ATTACK: Sets the compressor's attack time.

RELEASE: Sets the release time of the compressor.

AUTO switch: Engages auto-release mode. In this mode the RELEASE knob sets the basic release time, while the auto algorithm calculates a multi-stage release response based on a set release time value.

s.c.hpf: Sets the cutoff frequency of the side-chain (control) high-pass filter.

s.c.emph: Sets the gain of the side-chain (control) high-frequency emphasis filter.

RATIO: Sets the compressor's ratio. In general, a ratio of 10:1 will function as a limiter.
Note: The internal compression threshold is ratio-dependent to prevent significant changes in gain reduction when adjusting the ratio.

DRY: Adjusts the amount of dry (uncompressed) signal at the output. This is useful for "parallel" or "New York" compression, which blends both the compressed and uncompressed signals together.

DRY IN button: Engages the Dry signal routing to the output. The Dry signal is not mixed to the output when the button is not lit.

COMPRESSED: Sets the output gain of the compressed signal.

ALL IN button: This switch turns the processor on or off. The processor is bypassed when the button is un lit.

FAT button: Enables the quad-sampling FAT (Frequency Authentication Technique) mode for ultra-smooth and aliasing-free operation.

Side Chain Bar

We provide PSP plug-ins, especially dynamics processors, with the PSPaudioware standard SIDE CHAIN BAR. You access this bar at the bottom of the plug-in interface. Here you can select (mix) the side chain source and switch the plug-in into side chain listening (cue) mode.

INTERNAL/EXTERNAL Mix: The INTERNAL/EXTERNAL Mix slider sets the balance of internal to external signal in the final side chain audio channel.
If your DAW does not provide an external side chain source or is turned off for the plug-in, the side chain audio channel is always set to internal, independent of the mix slider position.

INTERNAL: Click this word to quickly set the mix to 100% internal source.

EXTERNAL: Click this word to quickly set the mix to 100% external source.

EXT LEVEL: Adjusts the +-20dB gain of the external side chain level.

MONITOR: Click this word to switch the plug-in into side chain listening (cue) mode.
When this mode is on, you'll hear the side chain audio that is being processed. To make it even more clear that the side chain input is being monitored, the entire plug-in GUI is covered by an amber colored shell.

SIDE CHAIN LEVEL METER: Shows the signal level of the side chain input.

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Rear panel

Clicking on the front panel's PSP BussPressor label opens the rear panel About box, on the Plug-in Settings tab. Click on the link to open the PSPaudioware.com website. Click on any label other than the web site link to close the rear panel and return to the front panel.

The Global Settings tab lets you access this manual or set whether Hints (floating information boxes that appear when hovering over a control) are visible or not. It also shows the installed version of the software, for help with troubleshooting. Please go to the **Config section** of this manual for more details.

PRESET HANDLING AND VIEW OPTIONS

Every PSP plug-in comes with a large library of factory presets. You can use them as a starting point for experimenting with your own sounds, examine them to understand how the various features work, or keep them handy for when a track or mix needs a quick and high-quality way to create an effect or fix a problem.

To access the preset library, just click on the Preset Bar along the top of the plug-in window. If you're familiar with other PSPaudioware plug-ins, you'll find that this one works exactly the same way.

Preset Browser

PSP BussPressor features a comprehensive preset management and browser system. To access the preset browser, simply click on the preset name window at the top of the plug-in (which displays 'Default' when the plug-in loads).
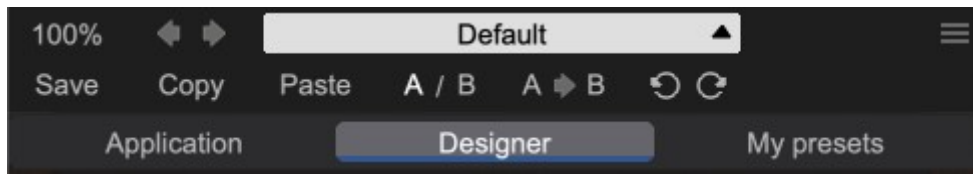
The new preset manager has three main categories which can be accessed via the tabs at the top of the preset browser: **Application**, **Designer**, and **My presets**.

Application – shows all factory presets, sorted by application or type of effect. These can be selected from a list on the left side of the preset browser.

Designer – shows all factory presets, sorted by designer. A photo of the designer is displayed for each of their presets. Click on the photo to open the designer's website.

My presets – shows only the presets you have created and saved, or downloaded and added to your custom presets for PSP BussPressor.

NOTE: The Factory presets are built into PSP BussPressor. While you can't edit them directly, you can make adjustments to them, and then save the result as a user preset.

To add categories to the preset list, you can create new subfolders in the preset directory.
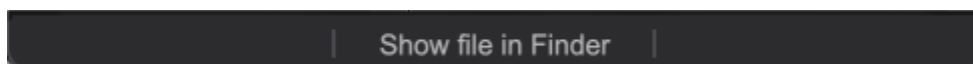
For Windows users, this is located at:

C:\Users\Username\Documents\PSPaudioware.com\User Presets\PSP BussPressor

For Mac users, this is located at:

~/Documents/PSPaudioware.com/User Presets/PSP BussPressor

NOTE: You can find the exact file location by clicking on the **Show File in Finder** button at the bottom of the preset browser window.

To select a preset, simply click a preset name in the right window. On the first click, the preset will be temporarily loaded so that you can audition it while still in the preset browser. To confirm the preset choice and get back to the main user interface, double-click the preset name again.

Copy / Paste

Copy   Paste

The **Copy/Paste** feature is useful for when you're running two or more instances of PSP BussPressor and you want them to have identical settings.

Of course, you can always open a new instance and load the same preset as your first instance has, but this only works if your first instance hasn't been tweaked at all since the preset was loaded. To share your tweaks between instances, use **Copy** and **Paste**.

To use this feature, simply click the **Copy** button, open a new instance of PSP BussPressor where it's needed, and click the Paste button to load the first instance's settings.

This feature can be particularly useful for processing similar instruments or sounds, when only a few minor tweaks are needed for each instance.

A/B System

A / B   A ➡ B

The **A/B system** lets you quickly audition changes to your settings. You can compare how different tweaks work in a track or mix, or even audition two different presets on the fly.

The **A/B Button** allows you to quickly switch between the current plug-in settings (**A**) and a previous group of settings that you've previously stored (**B**).

The **A>B Button** copies the **A** settings over to the **B** slot. This lets you temporarily 'bookmark' your current settings, make more tweaks, and then compare the new tweaks with your 'bookmarked' settings using the **A/B Button**.
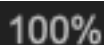
Undo / Redo

↺ ↻

The **Undo/Redo** feature can be extremely important when designing presets! We all know the frustration when we make one too many edits and ruin a previously great sound. With the **Undo** and **Redo** buttons (the counterclockwise and clockwise arrows as shown above), you can step backward and forward through your edit actions until you're back where you wanted to be.

These buttons will let you undo a preset selection, returning you to your previous preset with all settings as they were when you stopped editing it.

GUI resizing

100%

The percentage at the top left shows the current user interface size. Click on it to reveal a dropdown menu of size choices, or hover your mouse on it and scroll up and down to change the size quickly. Double-click to reset it to the default size (100%).

You can also resize the plug-in interface by click- dragging the right bottom corner of the plug-in to any size you like.

Config section

Click the icon with three parallel lines in the top right corner to open the **CONFIG** menu. You will find controls to open the manual, hide or show mouse-hover tool tips (Hints), and check your current plug-in version with build number.
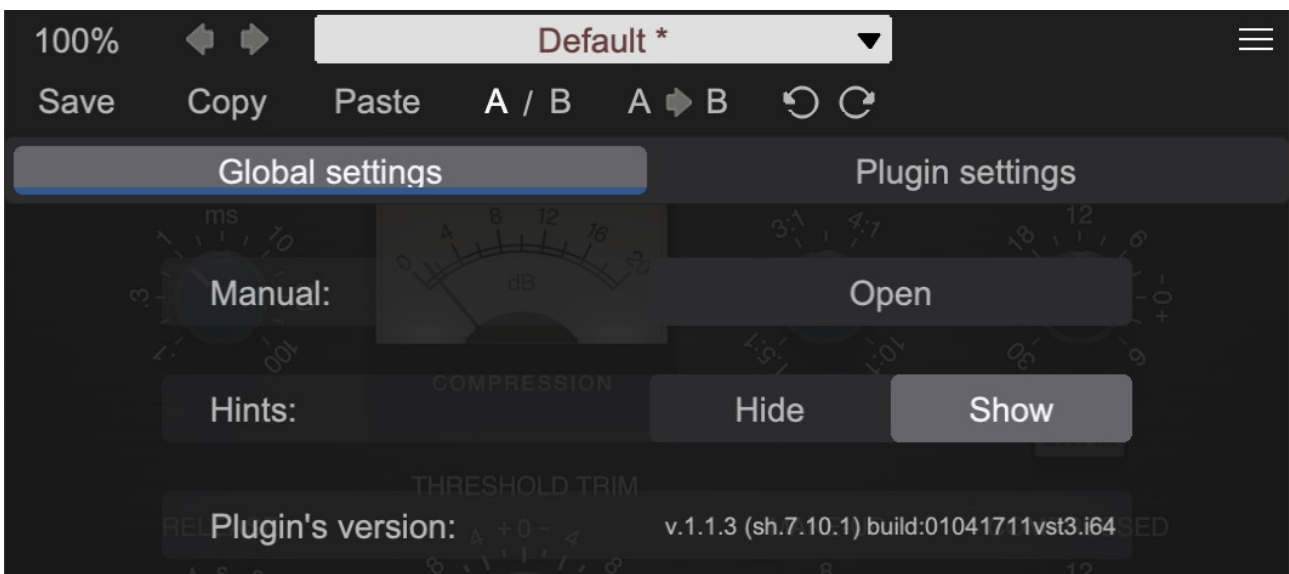
These functions are also available in the **Global Settings tab** on PSP BussPressor back panel, which is accessed by clicking the PSP BussPressor name on the front panel.

Clicking the Plug-in Information and Settings tab returns you to the main view.

Minimum System Requirements

In order to run PSP BinAmp you need to install the free **[iLok License Manager](#)** application but you don't need any hardware dongle. By default we provide 3 licenses which can be activated in 3 separate locations, each of which can be either a computer or an iLok dongle (2nd generation or above). You can move these licenses at any time using PACE's iLok License Manager software.

Windows

VST
- Windows 7 – Windows 11
- 64-bit VST 2.4 compatible application

VST3
- Windows 7 – Windows 11
- 64-bit VST3 compatible application

AAX
- Windows 7 – Windows 11
- 64-bit Pro Tools

All DAWs
- Up to date iLok License Manager application installed

macOS Intel or macOS AppleSilicon

AudioUnit
- macOS 10.14 – macOS 14 Sonoma
- 64-bit AudioUnit compatible host application

VST
- macOS 10.14 – macOS 14 Sonoma
- 64-bit VST 2.4 compatible application

VST3
- macOS 10.14 – macOS 14 Sonoma
- 64-bit VST3 compatible host application

AAX
- macOS 10.14 – macOS 14 Sonoma
- 64-bit Pro Tools

All DAWs
- **Up to date iLok License Manager application installed**

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Processing

- All internal processing done with 64 bit double precision floats.
- 32 and 64 bit floating point audio streams supported
- Sample rates up to 384kHz supported.
- Latency of 6 samples.

Support

If you have any questions about any of our plug-ins, please visit our website:

www.PSPaudioware.com

Where you can find the latest product information, free software updates, online support forum and answers to the most frequently asked questions.

Problems with the installation, activation or authorisation?
Please watch our troubleshooting video tutorials on our YouTube channel.

You can also contact us by e-mail: support@PSPaudioware.com.
We will gladly answer all of your questions. As a rule we respond within 24 hours.

PSPaudioware.com s.c.
Bugaj 12
05-806 Komorów
Poland.
ph. +48 601 96 31 73
www.PSPaudioware.com
contact@PSPaudioware.com