PSP oldTimer
Operation Manual

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Kwadratowa 4/19; 05-509 Józefosław,
Poland.

Acknowledgements

Overview

PSP oldTimer is a vintage-style compressor designed for track and program compression and limiting. Our goal in developing this plug-in is to provide a simple compressor that offers an exceptionally musical sound while requiring a minimum of tweaking. This plug-in is not based on any specific hardware, rather it is inspired by vintage circuits and is designed to emulate some favorite characteristics of such compressors.

PSP oldTimer is so simple and so easy to use, that it's difficult to make it sound bad even at extreme settings!

This compressor offers soft and smooth compression in most applications, however it may slightly color the sound with its tube emulation on transients when heavily driven internally by high Compression values.

Controls

PSP oldTimer's controls are quite simple and intuitive. The plug-in gives you the ability to set integration Time, Compression depth and Output level. It also offers an Valve/Clear/Off switch to engage or disengage compression and Ratio rotary switch to change its compression curve.

Valve/Clear/Off

Use this switch to engage (Valve) or disengage (Off) compression.
If the switch is set to its middle position (Clear) the internal tube rounding is disengaged, resulting in more transparent processing.

Valve level

Use this screw pot to set up a valve processing reference level. Choose between seven positions from "-" to "+".

Ratio

PSP oldTimer features "over-easy" transition characteristics for 1.2:1 and 1.5:1 ratio, and old-school peak-through-soft-knee characteristics for higher ratios. The specific amount of compression possible at the maximum compression depth depends on the ratio and ranges from about 8dB at a 1.2:1 ratio setting to about 30dB for a 10:1 ratio setting.

Attack ratio

Attack ratio screw pot adjusts the attack time in reference to the overall Time knob. In other words it controls the ratio between the attack and release. A middle point setting and the default value for earlier versions of the PSP oldTimer refers to 1:10 attack to release time ratio.

Time

Time sets up the combined attack and release time. Timing characteristics are tuned internally to insure a smooth and musical sound and the usual attack to release ratio is 1:10 whenever the Attack ratio screw pot is set to its default value. Since attack and release are heavily program dependent, you can manually adjust them to meet the specific program requirements using the Time knob. Time knob settings of 0-3 result in a fast attack/release, perfect for drums limiting. Time settings of 4-7 are good general values, offering times typical for opto or valve compressors. Time values around 8-10 set long values for leveling.

Compression

Compression controls the amount of gain reduction by adjusting the threshold point. The greater the compression value the lower the threshold point, resulting in more compression. Even if the Compression is set to 0 the compressor may still influence the sound.

Output

The Output knob sets the compression make-up gain. PSP oldTimer offers up to 30dB of gain in 0.5dB steps.

Gain Reduction Meter

This meter gives you a readout of how much gain reduction is being performed by PSP oldTimer. In general, you'll want to keep the compression values shown on the meter between 4-8dB for the most transparent compression/limiting. When the Time knob is set between 8-10 a deeper compression of about 12-15 dB can be used for program leveling

About Screen

The PSP oldTimer plug-in offers an About window. To access it click on the name of the plug-in. To return to the controls view, click anywhere in the about screen.
This screen contains your authorization details, as well as the version number of the plug-in.

Using presets

PSP oldTimer is provided with factory sets of presets.

The main aim of PSP oldTimer presets is to show customers the features of the plug-in and help to learn the controls usage. In addition, the presets can be used as a starting point for further adjustments or as quick fix presets.

The PSP oldTimer presets can be accessed from the PSPaudioware standard PRESET bar at the bottom of the plug-in interface. Here you can select from among the factory presets, and load and save individual, as well as banks of presets. There are three sections to this bar, the PRESET section, the Preset window, and the BANK section.

BANK SECTION
Click the green arrow icon to load a bank from a disk.
Click the red arrow icon to save a bank.
Double click the BANK label to permanently store the default preset bank.
Press Command (Mac) or Control (PC) and double click to restore the factory default bank.

PRESET SECTION
Click the green arrow icon to load a preset.
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PRESET EDIT BOX
Click the menu button to the right of the preset edit box to see and the popup menu of all the presets in the currently loaded preset bank and to choose a preset from the list.
Click the name of the preset to rename it.

PRESET SELECTION
Click on the bright left arrow to switch to a previous preset on the list.
Click on the bright right arrow to switch to a next preset on the list..

MEMO A and B
Both A and B are permanently stored on your disk. This allows you to compare alternative settings or share a preset between various instances of the plug-in in the same project or even between various projects.
Click the green arrow icon to load a preset from memo A or B.
Click the red arrow icon to save a preset to memo A or B.

?
Click on the question mark whenever you need to open the operation manual.

Technical Specifications

Processing
- All internal processing done with 64 bit double precision floats.
- 32 and 64 bit floating point audio streams supported
- Sample rates up to 192kHz supported.

Minimum System Requirements

Windows
- Intel or AMD processor
- (i386 architecture compatible high performance CPU recommended)
- Windows XP (Service Pack 2 or 3 suggested) or Windows Vista or Vista 64
- RTAS, or VST compatible audio application
- VST for x64 applications

Macintosh
- PowerPC or Intel processor
- Mac OS X 10.4 or later
- AU, RTAS, or VST compatible audio application

Please keep in mind that these CPU and RAM specifications are minimum requirements. For the best performance, you will want the fastest CPU and as much RAM as possible!

Support

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

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.

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