

# PSP oldTimer

## Operation Manual



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Special thanks also to all our beta testers for their bug testing, comments, opinions and presets.

Finally, thanks to all our users around the world for ideas and help in development of new plug-ins!

## 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 is easy to use, 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.

### 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.

### Time

Timing characteristics are tuned internally to insure a smooth and musical sound. 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.

# 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.

## Preset Handling

Like other PSP plug-ins, PSP oldTimer features the PSP Preset Bar.

PSP oldTimer includes a number of settings designed by our beta testers that should offer you a good place to start your own explorations. Trust your ears not any presets.

## 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 a faster 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](mailto:support@PSPaudioware.com). We will gladly answer all of your questions. As a rule we respond within 24 hours.

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