

700 W

πλούτες
Ploytec GmbH



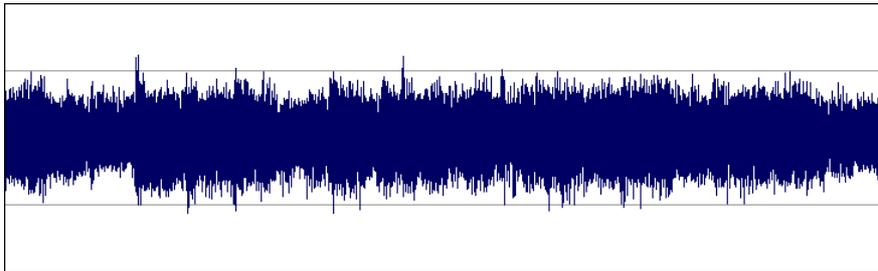
USER MANUAL

About 700W

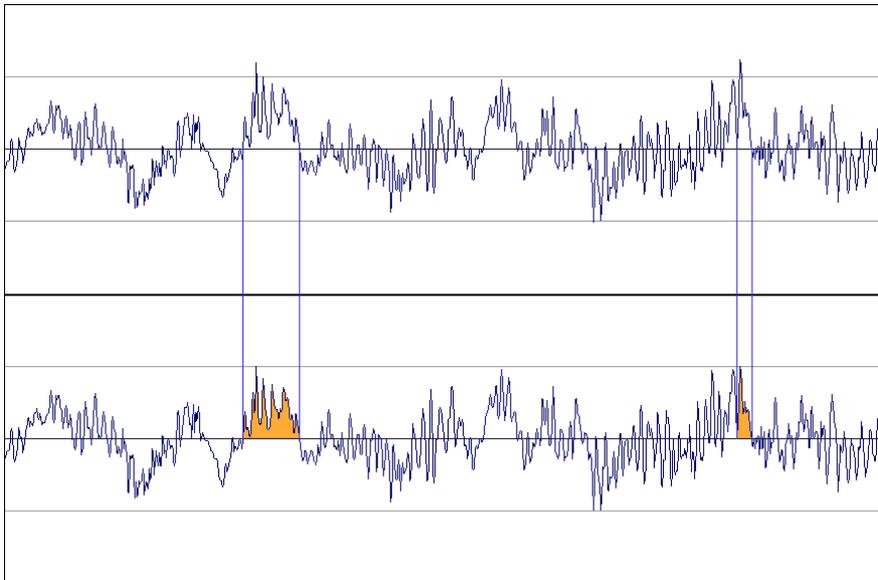
700W is an automated normalizer offering a new approach to compression. Unlike a conventional compressor or limiter, it only acts where you need it. Its main field of application is to enhance your end mix. Gain up to 9.9 dB of loudness you can't get from any other tool. It can also be applied to material hurting its headroom from time to time and avoids you having to lower the volume on the whole recording.

Basic Functionality

Usually some peaks in your mix prevent you from making it really loud with a simple normalization:

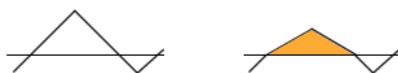


To get rid of those peaks you can mark them from one zero crossing to the next, using a wave editor software and apply the attenuation to fit your threshold:



That's exactly what 700W does automatically with preset #3. And of course it directly adds the makeup gain unless you push the "DIM" button.

The signal is discontinued in the zero crossing:



which adds few but uncontrolled harmonics to the sound.

To avoid this, the other presets add continuity by fading the peak from the original to the attenuated one in different strategies. These presets add fewer and controlled harmonics, but are limited to minimum thresholds: -1.9 dB for sound 1, 2, 6 and 8. -2.5 dB for sound 4, 5 and 7. -3.5 dB for sound 9.

The 700W Editor's Elements



- a) Input > 0 dB warning LED.
- b) The Name – click here to see the about page.
- c) Wave Display. Glowing shows activity.
- d) Editor resizing Button. (Doesn't work in Wavelab.)
- e) Threshold Display
- f) Compression Sound Display
- g) Compression Sound Control
- h) Threshold Control
- i) Bypass Button – active as long as the mouse button is pressed
- j) Oversampling Button
- k) Dim Button – the output won't be rescaled to 0 dB if active
- l) Loudness Display

Quick Start

700W is easy to use. Just lower the threshold as long as you don't hear artifacts. Try the different presets. Probably the "artifacts" will enhance your mix once you find a matching setting.

Also try the Oversampling Button (j). It prevents 700 W from generating aliasing artifacts. The oversampling has been adapted to the needs of a high end mixing tool. The difference is inaudible as long as there's no compression. The cost is a quite high processor power consumption. Many people like the micro-quantum of aliasing you hear without enabling the oversampling button, so overall sound might be even better if oversampling is not used.

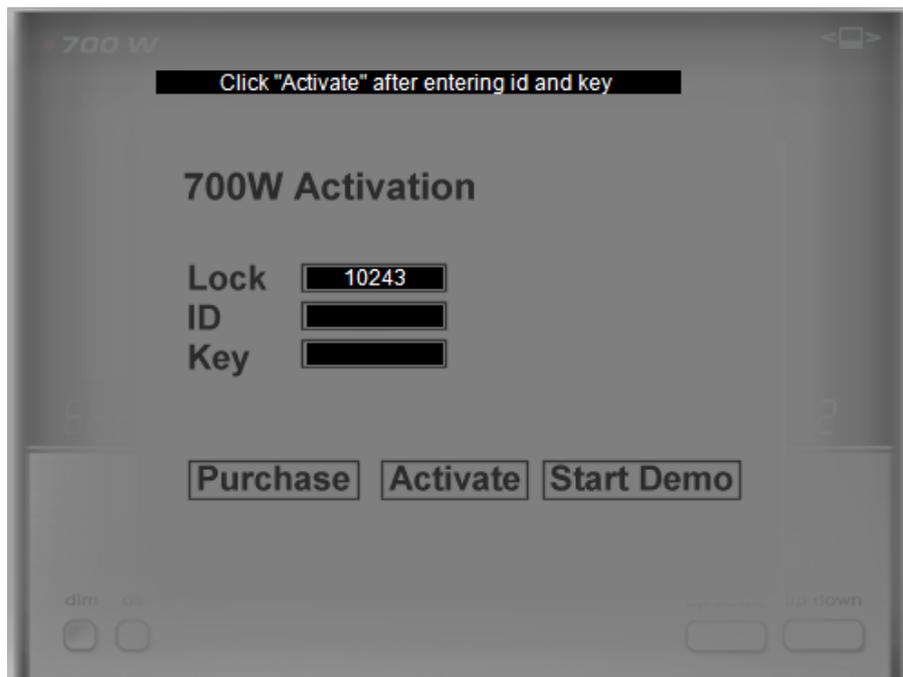
Consider to enable the Dim Button (k) to compare the processed signal to the bypassed (i) one. It will preserve the amplitude so you won't have to compare different loudness levels.

The Loudness Display (l) will instantly show the gain according to "EBU R 128" and "ITU-R BS.1770".

The input signal should not exceed 0 dB. Otherwise there's an "uncontrolled" pre-compression to 0 dB. So keep an eye on the warning LED (a).

Demo Version and Registration

Once you start 700W for the first time you'll see this:



Click the "Start Demo" button to use 700 W in demo mode. The only restriction is a friendly voice reminding you from time to time that you're using the demo version. Please try before you buy! The number of DAWs and other plugin hosts is increasing rapidly. So it's very likely that plugins don't work on all of them. And it's nice to be aware of incompatibilities before money has been transferred.

If you are content with 700 W in demo mode the "Purchase" button will lead you to the website where you can order the registration code. The websites are:
<http://www.ploytec.com/700W> and <http://www.ismism.de/700W.html>

When you order please don't forget to enter the Lock Code 700W shown on your computer. After you've ordered, you'll instantly get a registration code via email.

Don't hesitate to tell us if you didn't receive the code or something else is wrong. Just send a message to info@ismism.de or info@ploytec.com. Now fill in the ID and Key and press the "Activate" button. That's all.

A hint for Audio Unit users: you'll have to click the text fields up to 3 times until they are ready to take ID and Key. A small blue frame usually shows that they are active.