

**Maximizer MXN-175 Manual**

**MANUAL**

*Version 1.6*

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## Introduction



The MXN-175 is a brand new designed maximizer plugin with refined algorithms and new features for dynamic optimization on the highest level.

With extreme short attack time and the analyze function the MXN-175 is the first choice for drums and vocals.

## About Audio Dynamic Maximization

The technical background is defined by this:

### Threshold

The threshold is the level to which a signal less than the threshold is maximized.

### Ratio

Let's say a signal is about -10 dB and the given threshold is -1 dB then with a ratio of 1:1 the amplification will be 9 dB, with a ratio of 10 : 1 it would be 0.9 dB.

### Attack

How fast the maximizer does this is defined by the attack time. Our maximizer offers two ways to handle this: The difference mode regulates this in the given attack time, the constant mode sets down a signal with dB per second.

### Release

In our case the maximizer raises a signal in the given speed by the release value.

### Increase

with the increase value is defined what the maximum amplification would be.

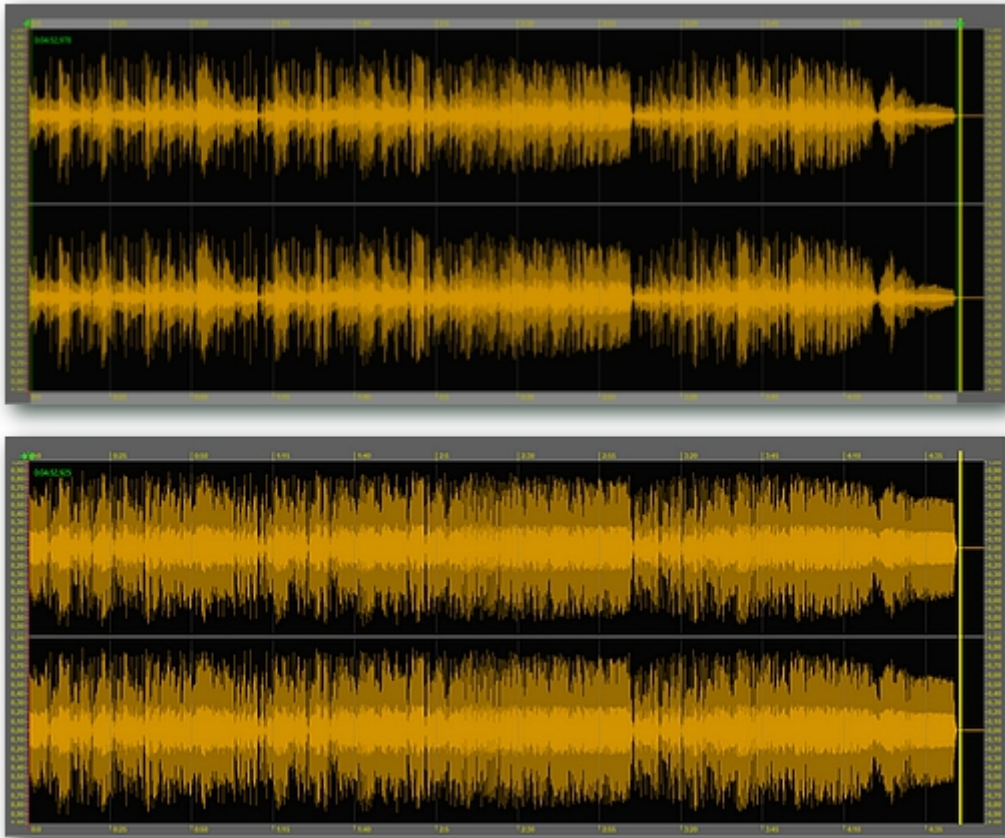
### Reference

To do all this the maximizer needs a reference signal to calculate how much we are under the threshold in a musical event. It could be the peak of all channels or the average or sum.

### Dry / Wet

Our maximizers as well as most others provide to mix the original input signal with the maximized to balance a harmonic sounding result.

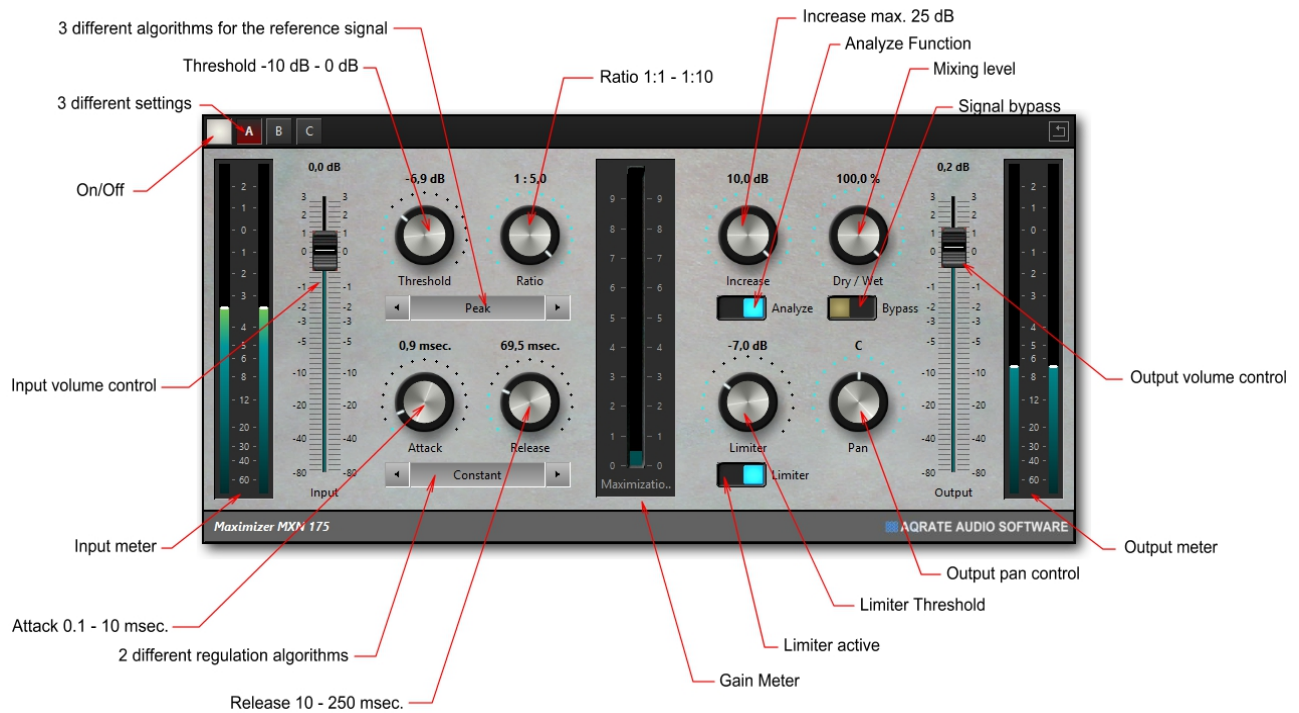
## Maximization Example



audio file after maximized with the MXN-175

Every signal that is under the given threshold is raised with the given parameters. This example might be too extreme and is not recommended. Let your ears decide how much or less you change the dynamic of your tracks.

## Controls



## Input

With the input slider the incoming signal is adjusted. The input meter shows the native input level of the plugin and the latest peak levels of each channel.

## Output

With the output slider the outgoing signal is adjusted. The output meter shows the native output level of the plugin and the latest peak levels of each channel.

## ***Threshold***

The threshold is adjustable from 0 down to -10 dB. A signal must be less than the threshold to make the maximizer raise it.

## ***Ratio***

The ratio can be selected from 1:1 to 10:1, which is a very low amplification.

## ***Attack***

The attack time can be from 0.1 msec up to 10 msec. It depends on what style of regulation is selected, constant or difference.

## ***Release***

The release time can be from 10 msec up to 250 msec. It depends on what style of regulation is selected, constant or difference.

## ***Bypass***

„Bypass“ completely bypasses every signal manipulation.

## ***PEAK***

The reference signal is calculated by the loudest signal of both channels. With that selection it's absolute sure that the given threshold is never override:

## ***AVG***

The reference signal is calculated by the average signal of both channels. That means the sum of both channels divided by two.

## ***SUM***

The reference signal is calculated by the sum of both channels. Works excellent with extreme stereo signals.

## Installation

The MXN-175 Plugin needs no special installation. Just copy the DLL file in a plugin folder of your choice and update your daw plugin list.

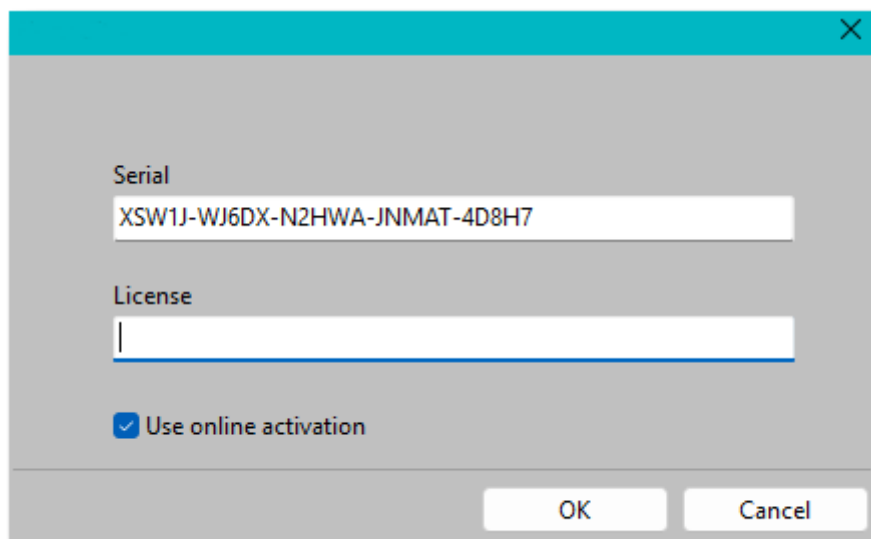
## Product Activation

To activate a purchased product click on the first icon in the upper right corner.

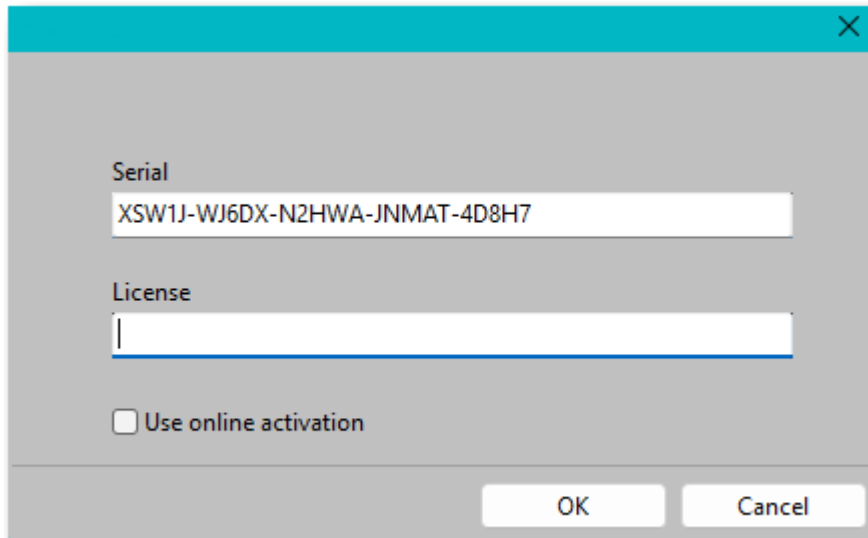
Product Activation



There are two ways of activation: if you are connected with the internet type in or paste the license key you've got with the order details. Quit with „OK“ and your plugin is activated.



If you prefer a activation without an internet connection you need an offline license key. Email us the shown product serial with your order details. We'll send you an offline license key asap. Unselect „Use online activation“. Paste or type in the key you received with the email. Quit with „OK“ and your plugin is activated.



The image shows a software dialog box for license activation. It has a grey background and a teal header bar with a close button (X) in the top right corner. The dialog contains the following elements:

- A label "Serial" above a text input field containing the alphanumeric string "XSW1J-WJ6DX-N2HWA-JNMAT-4D8H7".
- A label "License" above an empty text input field.
- A checkbox labeled "Use online activation" which is currently unchecked.
- At the bottom right, there are two buttons: "OK" and "Cancel".

If there are any issues feel free to contact us via our website at [aqrateaudio.com](http://aqrateaudio.com) or email to : [support@artistmediastudios.com](mailto:support@artistmediastudios.com)

## Appendix

### Compressor CPN-300 Plugin

<b>Formats</b>	VST2, AQP 3.5
<b>System</b>	windows 11/10/8/7 64 bit
<b>Threshold</b>	-10 dB – 0 dB
<b>Ratio</b>	1 :1- 10:1
<b>Attack</b>	0.1 – 10 msec
<b>Release</b>	10 - 250 msec.
<b>Input Volume Control</b>	-60 dB - +3 dB
<b>Output Volume Control</b>	-60 dB - +3 dB
<b>Reference Style</b>	Peak, Average, Sum
<b>Regulation Style</b>	Constant, Difference
<b>Samplerates</b>	10 KHz – 192 KHz
<b>Internal Bits per sample</b>	64 bit
<b>Filesize</b>	7.1 MB
<b>Fileversion</b>	1.6
<b>Release date</b>	Mar 2026
<b>Product-ID</b>	95594-31162-CF275-8ACDA-25EBA

- Windows is a trademark of Microsoft, Inc.
- VST is a trademark of Steinberg Media Technologies

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