

HoRNet ElliptiQ is an elliptic equalizer, this kind of tool is a very special case of equalizer that has its root in the vinyl cutting era.

A tool like this is needed because if the bass frequencies goes in anti phase or the difference between left and right channel are too wide the needle may jump outside the groove in the final vinyl master, so an elliptic eq works on the difference of the two channels removing part of the low frequencies and preventing this problem.

While the vinyl is having a renaissance you can use a tool like this to reduce the stereo wideness of the bass in your tracks, both to fix problems if there is some kind of anti phase between left and right channel or to give more impact and presence to your bass making it mono.

An elliptic eq works on the side component of the signal, so first the plugin encodes the stereo signal in the Mid/Side matrix extracting the difference from the left and right channel, then the side part of the channel is filtered with a low shelf leaving intact only the mid part, after the reconstruction you get a stereo output reduced in wideness on the low frequencies.

HoRNet ElliptiQ allows you to filter out frequencies up to 2000Hz, so it extends well into the mid frequencies. To cut the stereo info you can use a Butterworth style low shelf with three different slopes: 12, 24 and 48 dB/octave so from a gentle curve to a very steep one.

ElliptiQ also offer a very unique "auto width" feature, when activated the difference between the mid and side informations is continuously evaluated and if the side is too high (hence the stereo width of the bass is too wide) it is automatically reduced to avoid creating issues and give more impact to the track.

The plugin also provides a very handy correlation meter divided into seven key frequencies so that you may spot issues with anti phase in different areas of the spectrum.



Sets the EQ slope between 12, 24 and 48 dB/Oct

Sets the EQ frequency, the width control operates on frequencies below this point

Sets the stereo wideness for the frequencies below the point set with the frequency knob

Enables the dynamic auto-width control that dynamically adjust the stereo wideness below the point set by the frequency knob

This meter displays the stereo correlation at different frequencies. A value of 1 means the signal is mono, when the slider it's in the middle you have the maximum wideness, if negative you have anti-phase issues

Frequency: 397Hz

Slope (dB/Oct): 12 24 48

Width: 49%

Auto: OFF ON

Correlation: 2000, 1000, 500, 250, 120, 60, 30

HoRNet ElliptiQ

Made in Italy