



QUADSCALER

Quadscaler allows to compress or expand, to shift or to mirror a value range within each of its four identical sub modules.

1) Input and Output

The input jack accepts static as well as dynamic numeric input of any nature.

2) Input and Output Min & Max

Both controls are stepped in integers from -10 to +10. These are not value limiters. The Input Min and Max values define a range for input signals that consecutively is mapped onto the Output Min and Max range. Incoming values below or above the Input Min and Max values will be mapped following the same calculated ratio. It is possible to invert a signal range by choosing a Min value that is higher than its corresponding Max value.

3) Input and Output LCD

The LCDs can show numbers from -99.99 to 99.99. The Input display shows values after being mapped onto the Input range. It does not show the actual incoming value. The Output display shows the output values after being mapped through the Output Min and Max values.

4) Input and Output Quantize

Values can be quantized to cents, decimals, or integers. This will be applied after being mapped through either input or output Min and Max, respectively. Even though the LCD can only show cents as the smallest decimal place, choosing „Off“ does not quantize, but just truncates the visual output. Using a readout with more decimal places shows that these numbers are still carried through.

Feedback loops:

Creating feedback loops is possible, but sooner or later leads to the module hanging itself up, and hence is not encouraged.

Disclaimer:

This module can create very high output values. Use with caution and on your own risk. The use of a CV limiter after the output stage is encouraged. Drøhn accepts no responsibility for any damage whatsoever resulting out of the use of this module.