

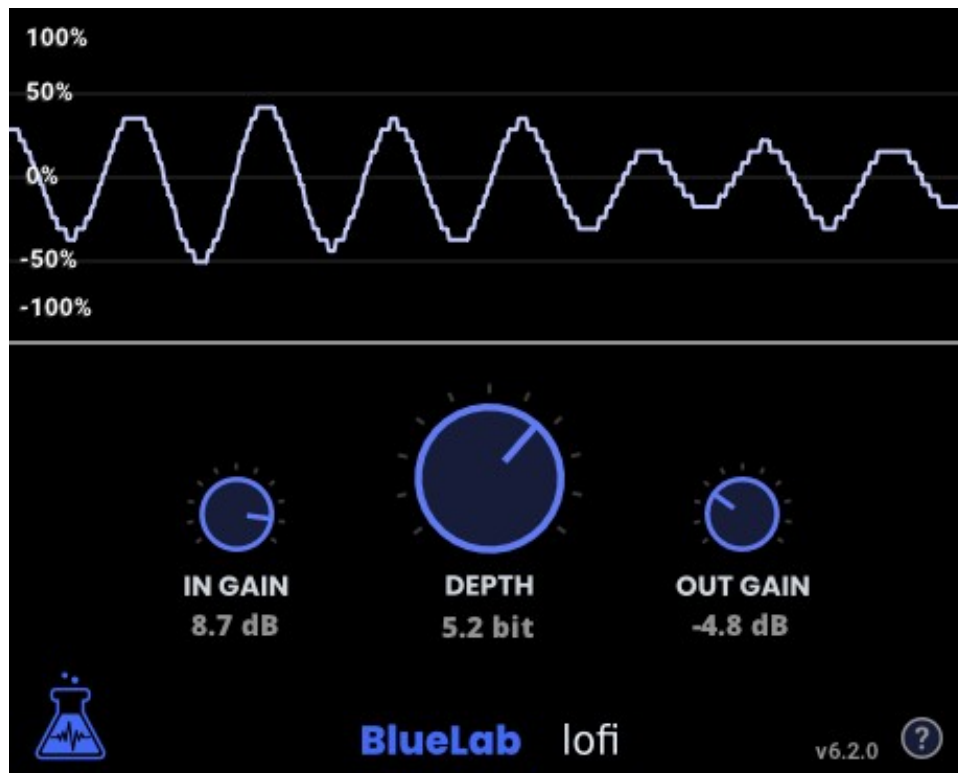
# BlueLab lofi



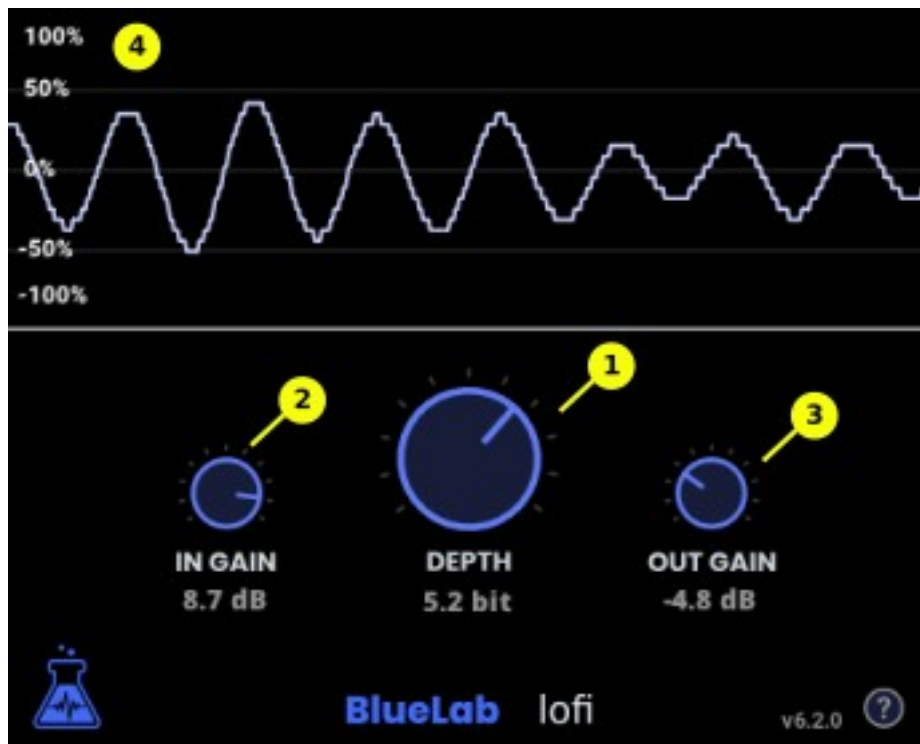
## DESCRIPTION

**LoFi** is a very simple and efficient **bitcrusher** plugin. It produces a distortion by reducing the resolution of the sound data. For an original sound data of 16, 24 or 32 bits for example, the **LoFi** plugin can reduce the number of bits up to 1bit.

This plugin has the advantage of providing all the necessary controls to adjust the gain for feeding correctly the bit crushing process while avoiding saturation in the DAW.



## USAGE



The **DEPTH (1)** parameter sets the bit depth, from 1 to 16, and all the intermediate values. With a value near 16 bits, the sound is modified just a little. With a value near 1 bit, the sound is greatly modified, producing a strong distortion and low fidelity effect.

**NOTE:** With the special **DEPTH (1)** value of exactly 16.0 bits, the effect of the parameter is bypassed: the bit depth is not modified. If the bit depth of the project is greater, it remains untouched (not decreased to 16 bits).

The **IN GAIN (2)** parameter sets the input gain. The result of the effect can change if the input gain is modified. For example, with a **DEPTH (1)** set to 1 bit, if the input gain is too low, the effect will only output sound corresponding to the peaks of the waveform. The other parts will be made of silence. In this case, the input gain can be increased to obtain a more continuous output.

The **OUT GAIN (3)** parameter is useful for avoiding saturation in the DAW. Indeed, with a resolution of 1 bit depth for example, the waveform will only have two values: 0 and maximum amplitude, which is very near from DAW saturation.

Finally, the **GRAPH (4)** displays the output waveform in real time.