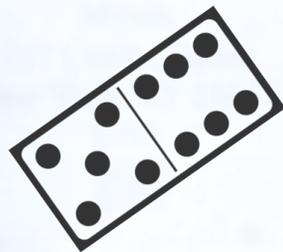
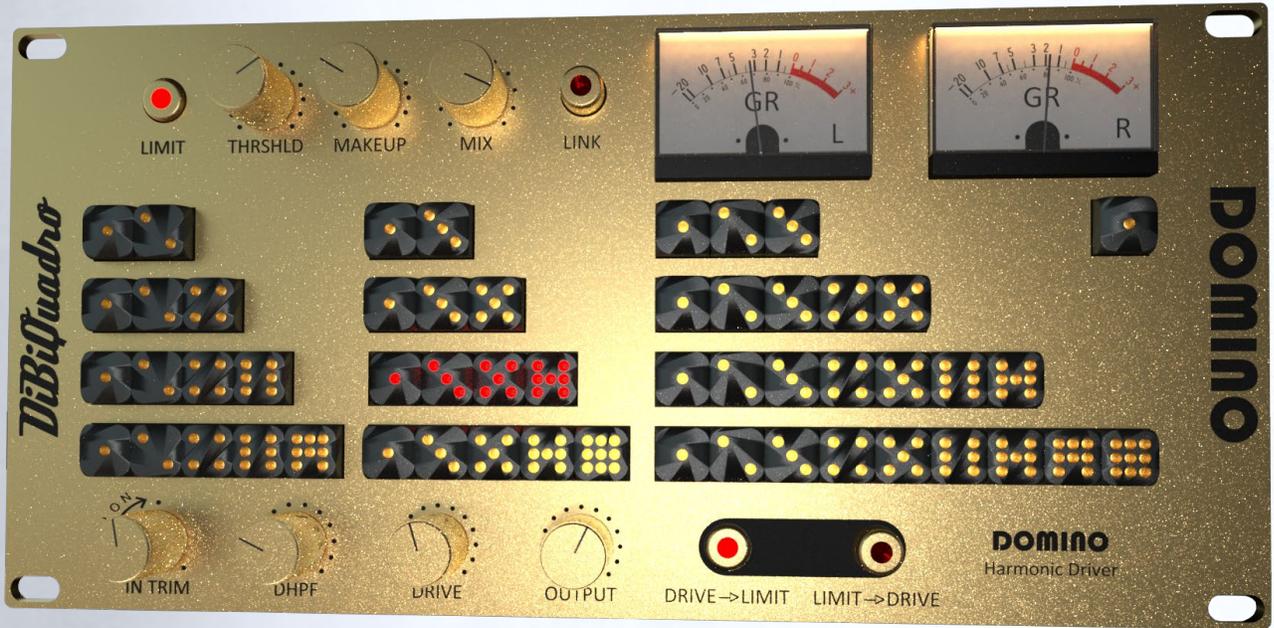


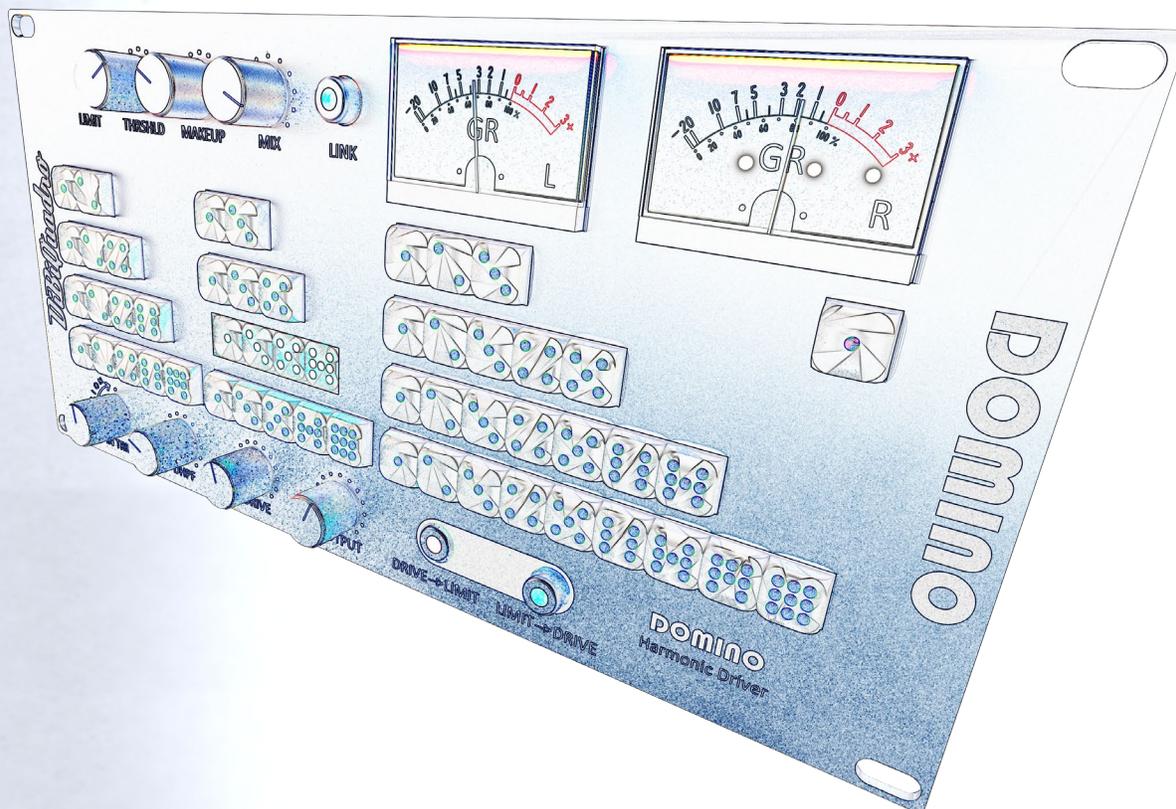
DiBiQuadro



DOMINO

Harmonic Driver

USER MANUAL



Thanks for purchasing DiBiQuadro Domino. Please take your time to read carefully the content of this manual before using the plugin.

Overview

Domino is a library for N4/N4Player, and it is one of the most flexible harmonic drivers out today.

The idea for Domino came out a few years ago, after having spent already countless hours on many sampling sessions of different hardware units. Harmonic distortion, together with a few other dynamic effects, is considered unanimously as the "magic" hidden in pro recordings, mixes and masters.

We all know that sampling and non-linear convolution have already given great results when capturing the "magic" of a particular hardware chain; that's cool, but it's also a sort of "take it or leave it" way of proceeding: if you like the character of that chain on that particular material then it's worth to capture and use it, otherwise you have to look for something else.

What if we could use the same convolution technology to generate any kind of harmonic distortion we can think of (or at least a big part of it)? We would have different magic "tricks" at our fingertips, the right one for each source... And that's where Domino comes in! The theory we had to apply seemed simple yet effective - even if not so easy to put in practice: for each fundamental frequency

of a real audible spectrum, we had to add a certain number and a certain amount of multiple frequencies, or, in case, nothing at all to get transparency.

Domino let you choose the number of harmonics, their type (odd or even) and their amount for your audio material. A knob called DHPF (Distortion Hi-Pass Filter) can be used to preserve the original content in the lower spectrum, while driving only the upper frequencies.

To extend the possible applications of Domino, the harmonic driver is paired with a limiter, which can be placed before or after the driver for the maximum flexibility.

Domino can be applied to any kind of sources (kick, snare, voice, bass, guitars, synths... any other), for almost any kind of music (from EDM to Pop, Rock and more), with subtle or evident results. Last but not least, it works extremely well in the latest phases of music production, and we are confident it will please even the most demanding mastering engineers.



Controls

IN TRIM – adjusts the amount of harmonic distortion without affecting the overall output level; avoid settings that may cause unwanted harmonic distortion or digital clipping. It has very high excursion to give the possibility to generate very subtle harmonic distortion when set to minimum.



CAUTION: be careful when setting In Trim higher than zero and driving the plugin with very hot sources: this may cause unpleasant loud digital clipping!

DHPF – Distortion high pass filter: each position selects a different hi-pass filter frequency. The cut frequency doubles at each step - from no low cut to 12kHz. This hi-pass filter is applied **exclusively** to the harmonics.

DRIVE – increases the amount of harmonics. It has very high excursion (60dB). 13 marks: each mark = +-5dB. 10 knob steps between 2 marks (1 knob step: ~0.5dB).

OUTPUT – General output of the plugin when LIMIT → DRIVE is selected; otherwise (DRIVE → LIMIT selected) it determines the amount of input signal for the Limiter: in this case MAKEUP is the general output of Domino. Excursion from -18dB to +18dB. 13 marks: each mark = +-3dB. 10 knob steps between 2 marks (1 knob step: ~0.3dB).

DRIVE → LIMIT / LIMIT → DRIVE – selects the routing of the signal: the signal enters the Drive first followed by the Limiter or vice versa.

LIMIT – engages the Limiter of Domino.

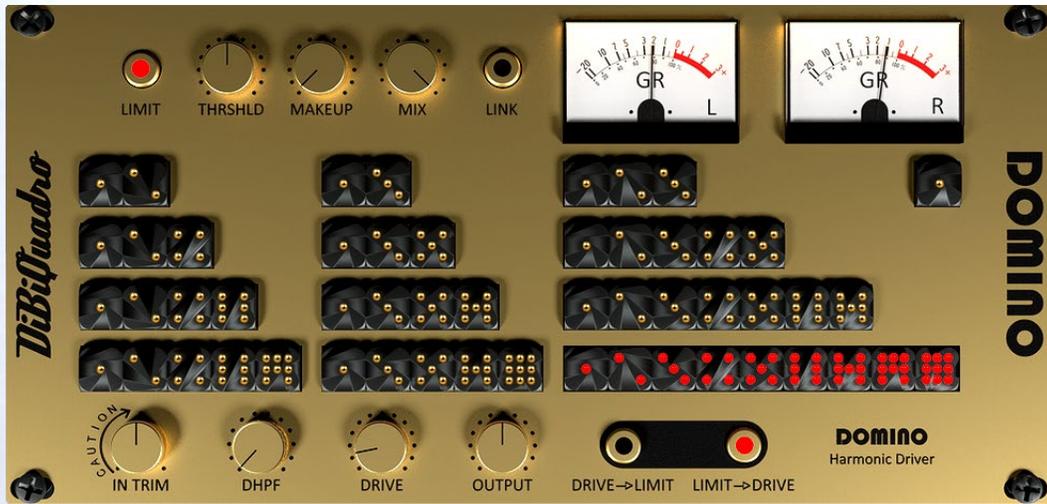
THRSHLD – sets the threshold of the limiter from 0dB down to -12dB. 13 marks: each mark = +-1dB. 10 knob steps between 2 marks (1 knob step: ~0.1dB).

MAKEUP – Use it to compensate the Gain Reduction introduced by the Limiter. It goes from 0dB to 12dB. 13 marks: each mark = +-1dB. 10 knob steps between 2 marks (1 knob step: ~0.1dB).

MIX – Amount of compression in the Limiter output. Excursion from 100% to 0%. 11 marks: each mark = +-10%. 10 knob steps between 2 marks (1 knob step: ~1%).

LINK – Link between left and right channel: when active, the channels are 100% linked (0% when disabled).

BUTTONS from 1 to 123456789 – The heart of Domino: here you can choose the type of distortion. In the first column you find the even harmonics, while the second groups the odd ones; in the last column you have both even and odd harmonics at the same time; button 1 in the upper right corner is for the drive bypass.



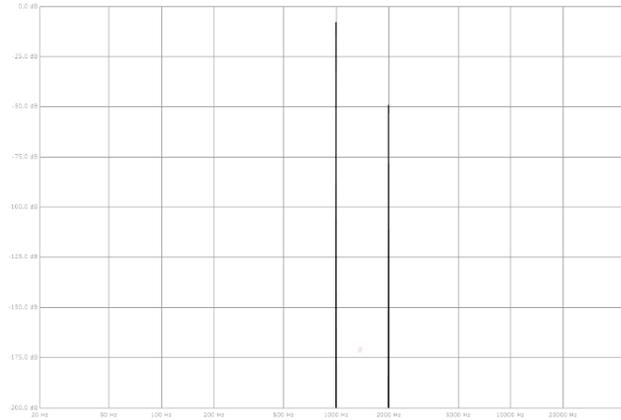
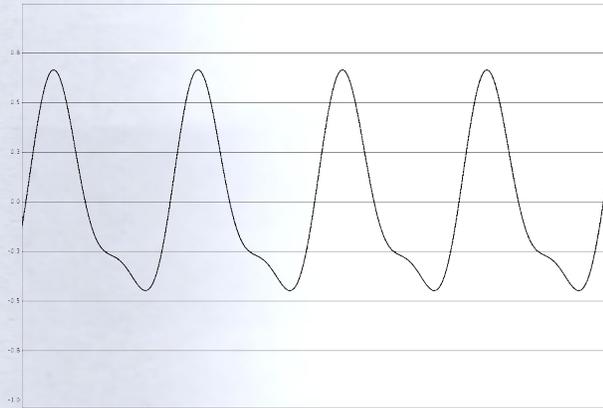
Domino GUI

Domino Preamp - Waveforms and THD

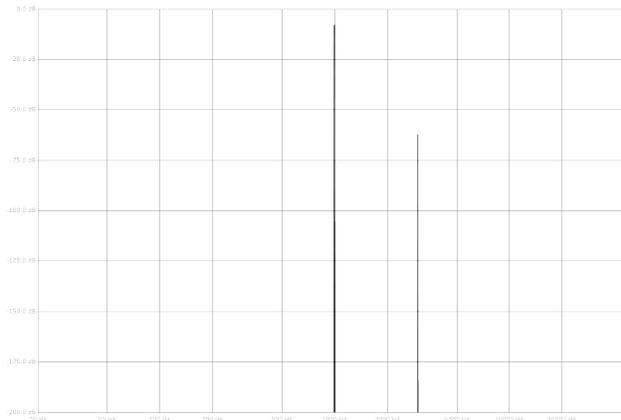
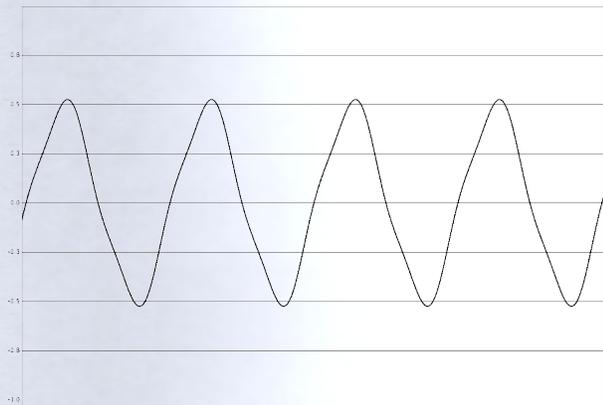
Button 1

No harmonic distortion

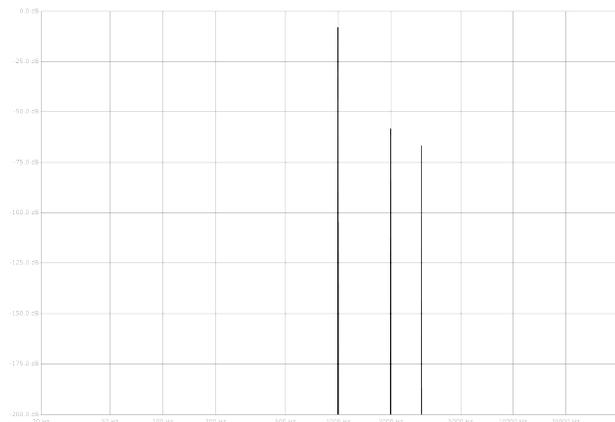
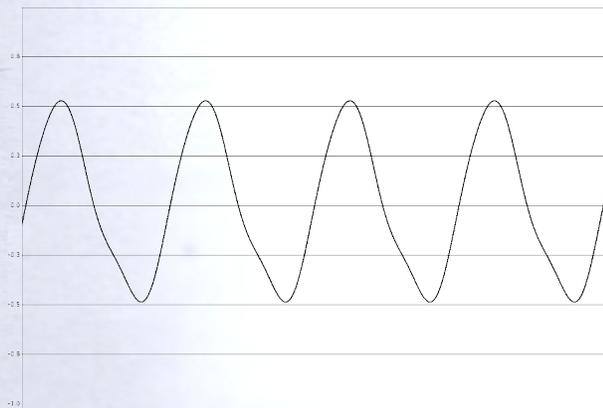
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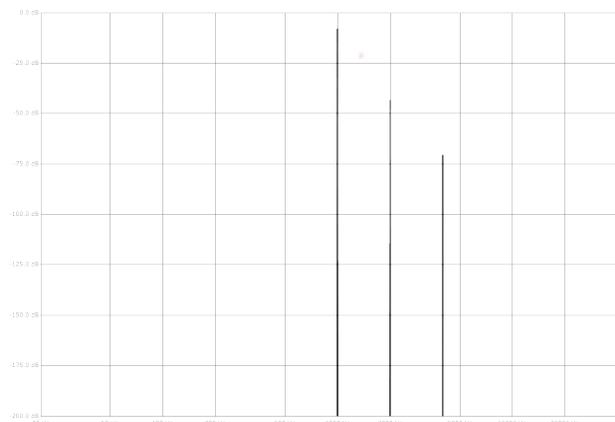
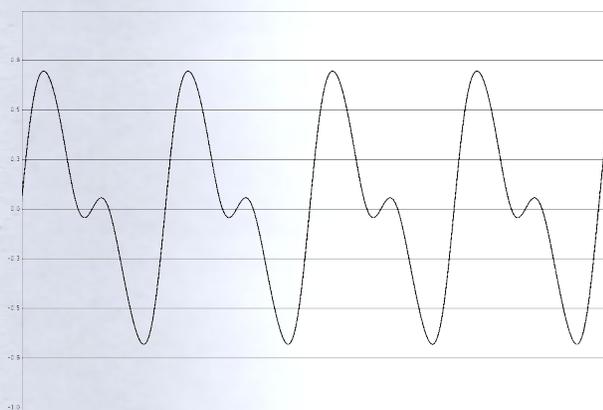
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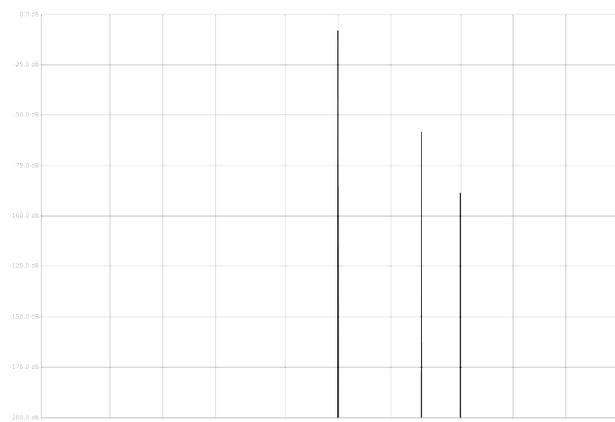
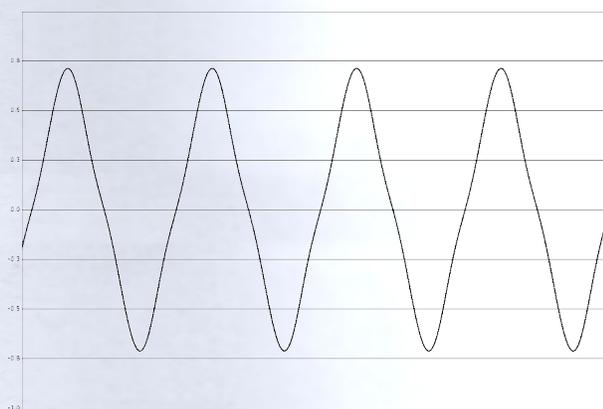
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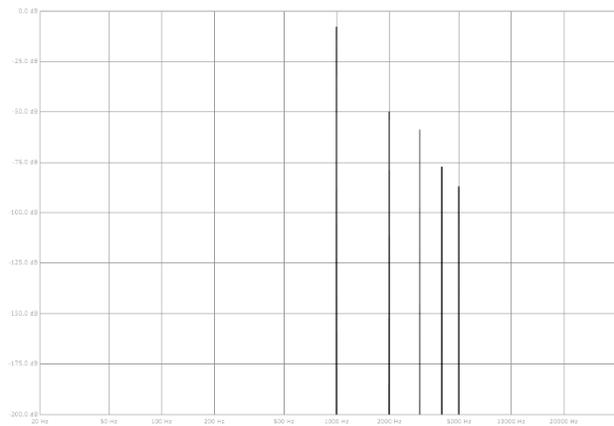
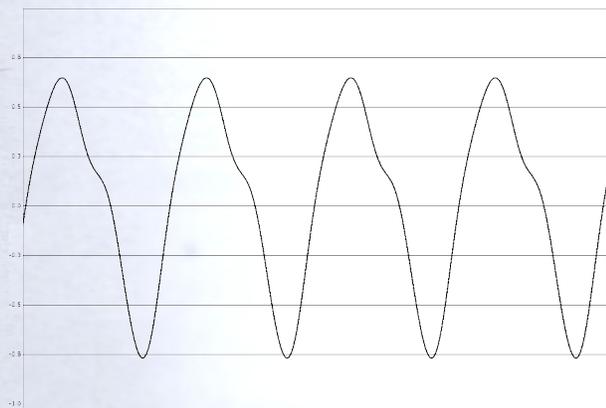
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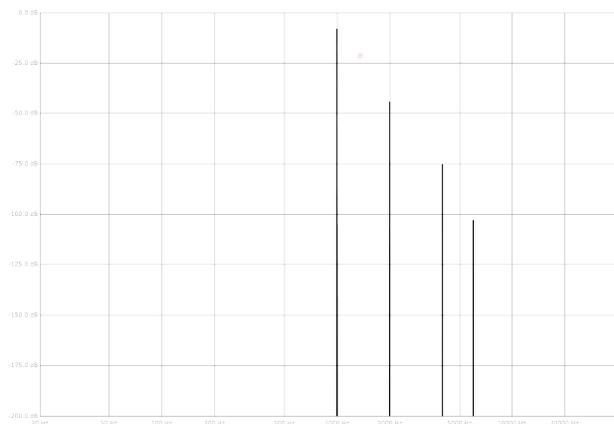
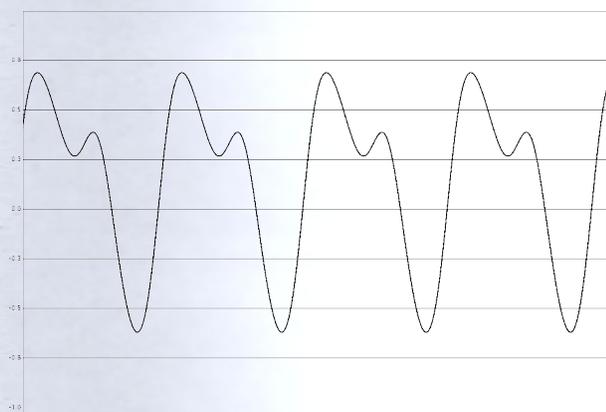
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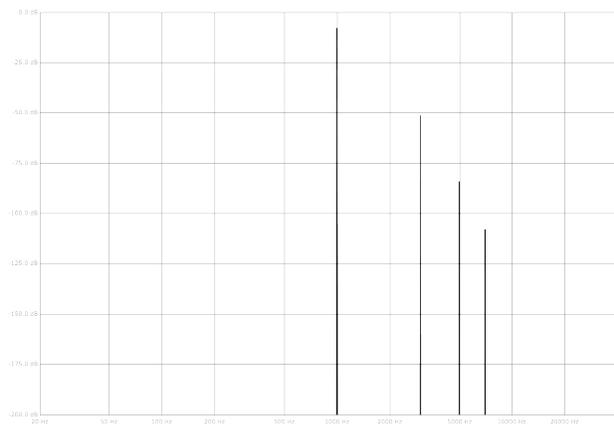
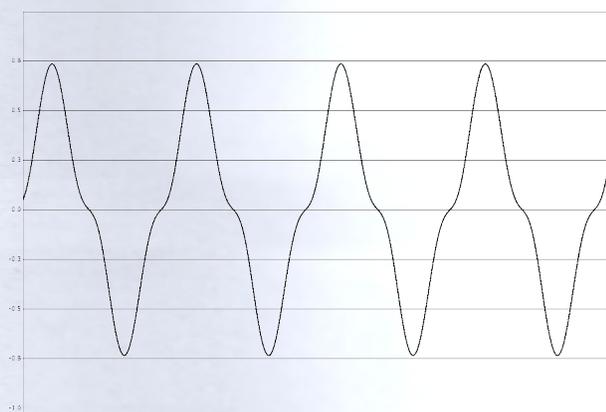
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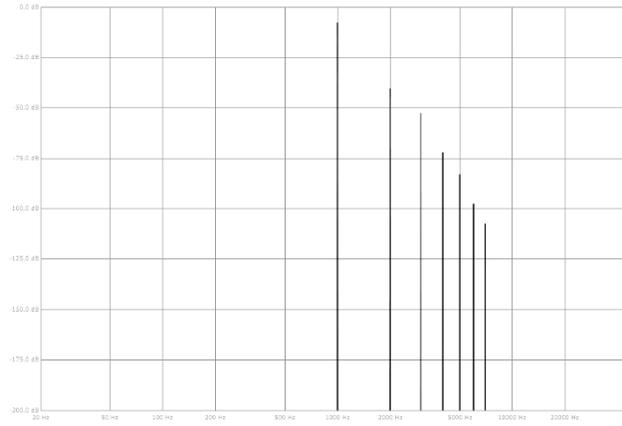
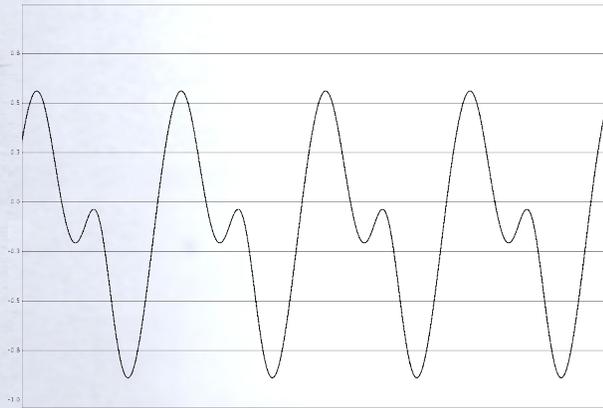
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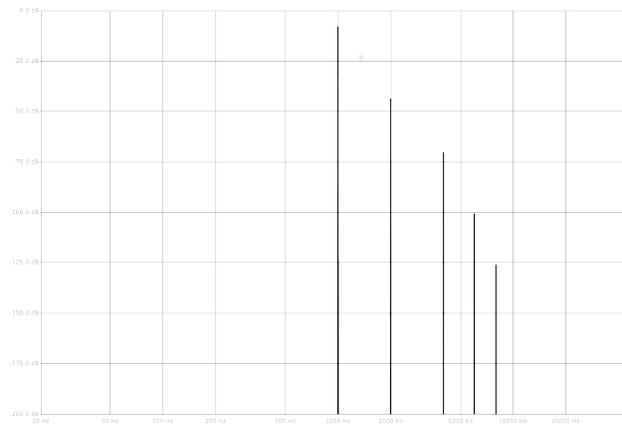
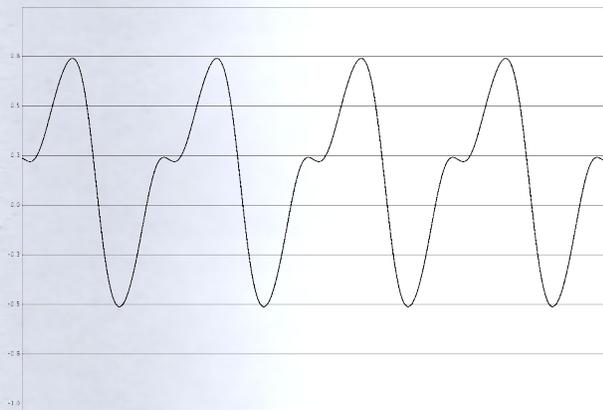
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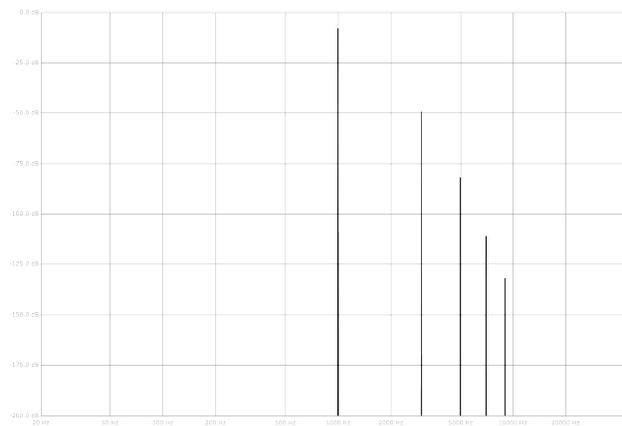
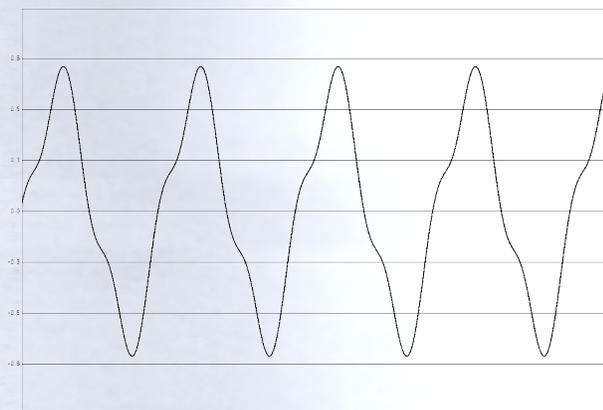
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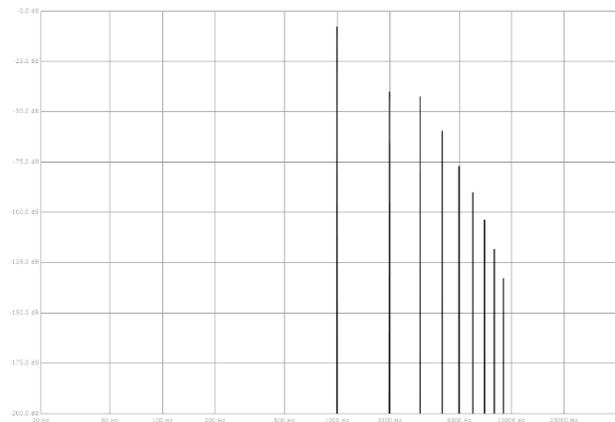
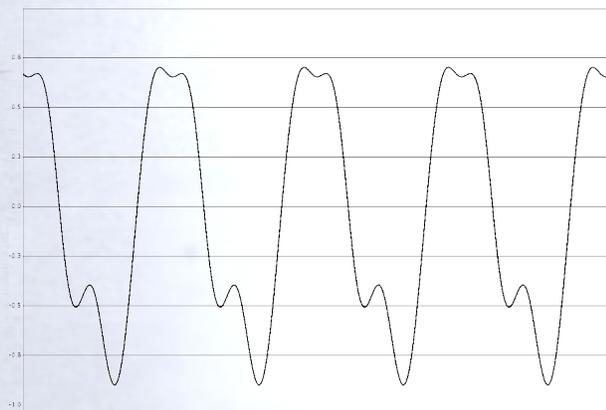
Button 12468



Button 13579



Button 123456789



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