

# DON'T PHASE ME, BRO



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# THE PLUG-IN

Don't Phase Me Bro is a simple All-Pass Filter (APF) plug-in with a variable-order APF and routable modulation. The effect is useful for EQ-style effects and a light phaser-style effect.

This plug-in was developed using RackAFX software by Will Pirkle, GIMP by Spencer Kimball and Peter Mattis, and KnobMan by g200kg on January 31<sup>st</sup>, 2015 by Davis Sprague for sleepyCat Studios.

## CONTROLS

### CUTOFF

This knob controls the corner frequency of the APF. Though it will not produce a traditional low or high-pass style filter sweep, this control allows for the adjustment of the range of frequencies whose phase will be altered.

### DEPTH

Depth controls how far the APF will be modulated when modulation is active. **WARNING:** When the modulation source is set to SELF, it is easy to create massive amounts of distortion and even make the audio output “rail out” when depth is more than a little active. This was left in for advanced users to have the opportunity for unique sound production, but please exercise caution when using the plug-in in that configuration.

### FILTER ORDER

Toggles the APF between a first-order implementation and a second-order implementation. The first order implementation produces 90 degrees less phase offset than the second order implementation, leading to a very different sound.

### LFO

LFO stands for Low Frequency Oscillator. This control switches between the four supported waveforms in the plug-in: sine, triangle, sawtooth, and square.

### MIX

This control adjusts the dry/wet mix of the plug-in. With the slider all the way at the top, only the filtered audio will be passed. When the slider is all the way at the bottom, only clean signal will be passed.

**RATE**

Rate adjusts the frequency of the LFO built into the plug-in. The frequencies range from 0.01 Hz to 20 Hz.

**RESONANCE**

The resonance slider controls the Q of the APF. This control only has effect on the filter when it is in 2<sup>nd</sup> order mode.

**SOURCE**

Source toggles between three states for modulation:

**NONE** - Does not modulate the corner frequency of the APF at all.

**LFO** - Modulates the corner frequency with an LFO.

**SELF** - Modulates the corner frequency with the input signal.