

Tremulant

Idmdesign.org



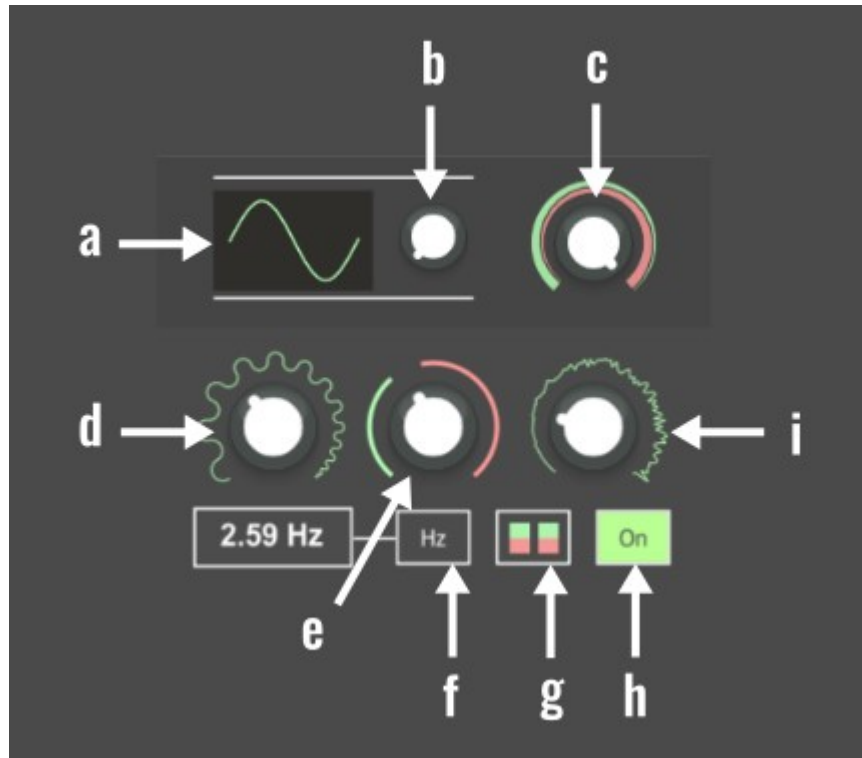
The Tremulant device is a harmonic tremolo audio effect.

With this effect, an LFO is used to modulate the audio levels of 2 filters - a highpass and lowpass, with a notch at the center frequency. The output has a distinctive sound, obviously not the same as a volume modulating tremolo.

The device also has some additional noise in the modulation, and allows one channel to be flipped, creating a stereo effect.

Designed to be used with single monophonic instruments, but experiment!

GUI



- a) **LFO** Scan through the LFO wavetable which smoothly goes from triangle to sine to square to saw.
- b) **Phase** Change the phase of the LFO
- c) **Dry/Wet** Mix between the dry and wet signals
- d) **Rate** Change the rate of the LFO in either Hz or sync times (selected below)
- e) **Frequency** Set the center frequency for the LFO
- f) **Mode** Switch between Hz and Tempo sync times
- g) **Stereo** In stereo mode, the right channel is flipped opposite to the left.
- h) **On/Off** Turn the device on or off. Can be mapped to a footswitch
- i) **Noise** Add some noise to vary the modulation signal