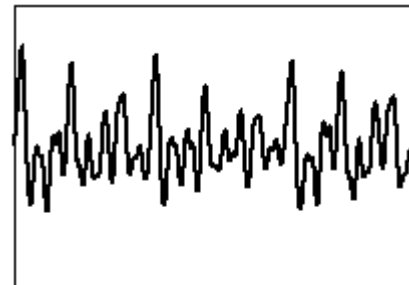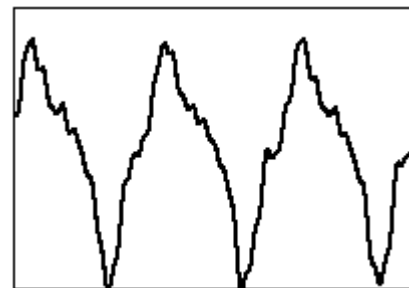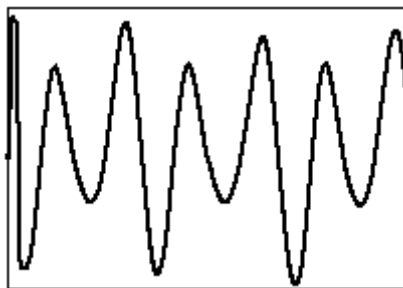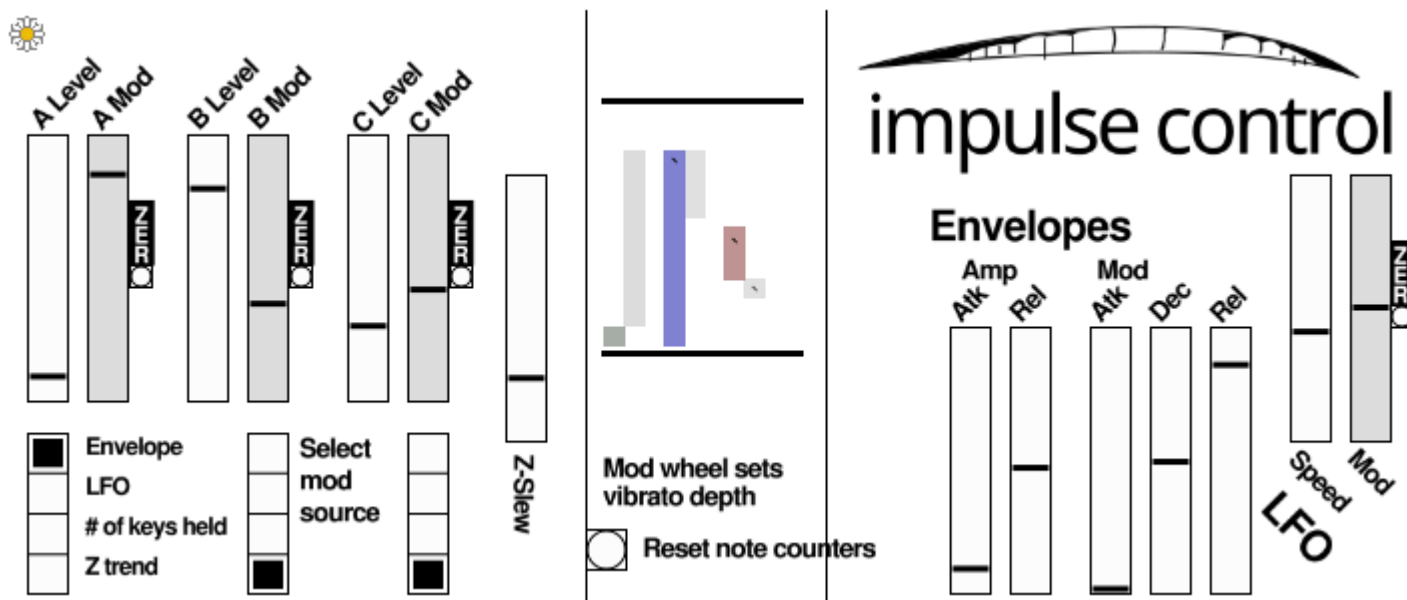# Impulse Control

Impulse control uses a sort of flanger system as a paraphonic filter. The flanger tone can be altered with standard modulations or follow trends in the MIDI input stream.

'Level' and 'Mod' controls the base level and bipolar modulation amount for each of the three parameters of the flanger system.

Modulation sources include the paraphonic Mod envelope, the LFO, a value that increases with the number of keys held, and the Z trend. The Z trend changes based on the spacing of recent notes in time. 'Z-Slew' smooths this value.

The Amp envelope shapes the amplitude of each voice polyphonically.

The 'Speed' of the LFO can be modified by the number of keys held. This allows, for example, slowing down the LFO during dense passages.