



Tap Tempo LFO

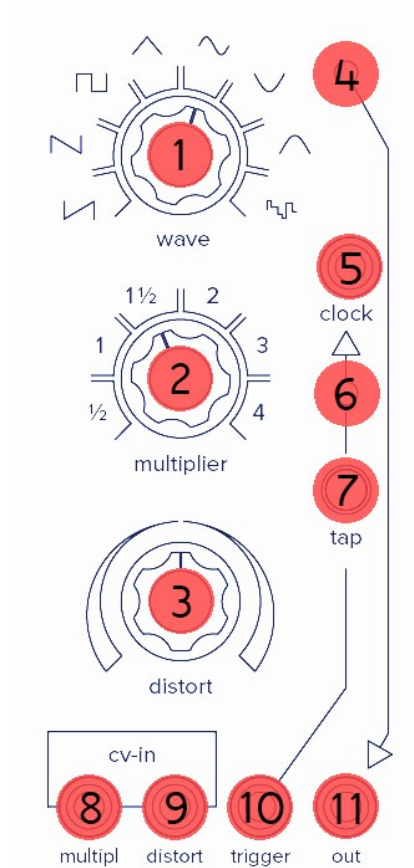
Thank you for buying the incredible LFO based around the Electric Druid TAPLFO chip. It's not the LFO you already know... It is synced to your master clock, or sync it with the taps you make on the tap button and it is quite useful as a taptempo master clock generator.

- Eurorack size
- Width: 10HP (50.5mm)
- +/-12V and 5V
- compatible with Doepfer

Features

- 8 waveforms
- multiplier / clock divider
- horizontal wave distort
- external clock input
- CV input for distort amount
- CV input for multiplier
- LFO output (selectable between 0/5V and -5V/+5V)
- clock output

The module needs next to +/-12V also +5V from the powerbus!



On the back you will find 2 headers. One for the powercable and one for selecting the voltage output.

The powercable is Doepfer compatible but check my website <http://www.ginkosynthese.com/ttlfo/> support to be sure you connect it right!

If you connect the powercable upsidedown it will destroy the lfo chip! The red paint on the PCB is the -12V side.

The 3-pins header has a jumper on it. This jumper sets the output voltage between 0V/5V and -5V/5V.

- 1 Select your favourite waveform here
- 2 The multiplier divides or multiplies the tempo of the incoming clock or tapped tempo
- 3 The distort knob shapes the wave in a horizontal way. Play with it and see what happens!
- 4 Visualised output of the TTLFO
- 5 This is the clock output. The clock output is divided or multiplied by the multiplier from the incoming or tapped tempo
- 6 This led does not show the clock! It light up between two incoming pulses on the trigger input or taps on the tap button
- 7 Tap in sync with the beat to synchronise the TTLFO. You also can use the TTLFO as a masterclock generator for your modular system
- 8 CV input for modulating the multiplier. Turn the multiplier knob fully clockwise to get most effect. This input accepts only 0V-5V cv signals!
- 9 CV input for modulating the horizontal distortion of the waveform. Turn the distort knob fully clockwise to get most effect. This input accepts only 0V-5V cv signals!
- 10 Input for syncing the TTLFO to an external clock signal
- 11 The cv output of the TTLFO. On the back you can select if it puts out -5V/5V or 0V/5V