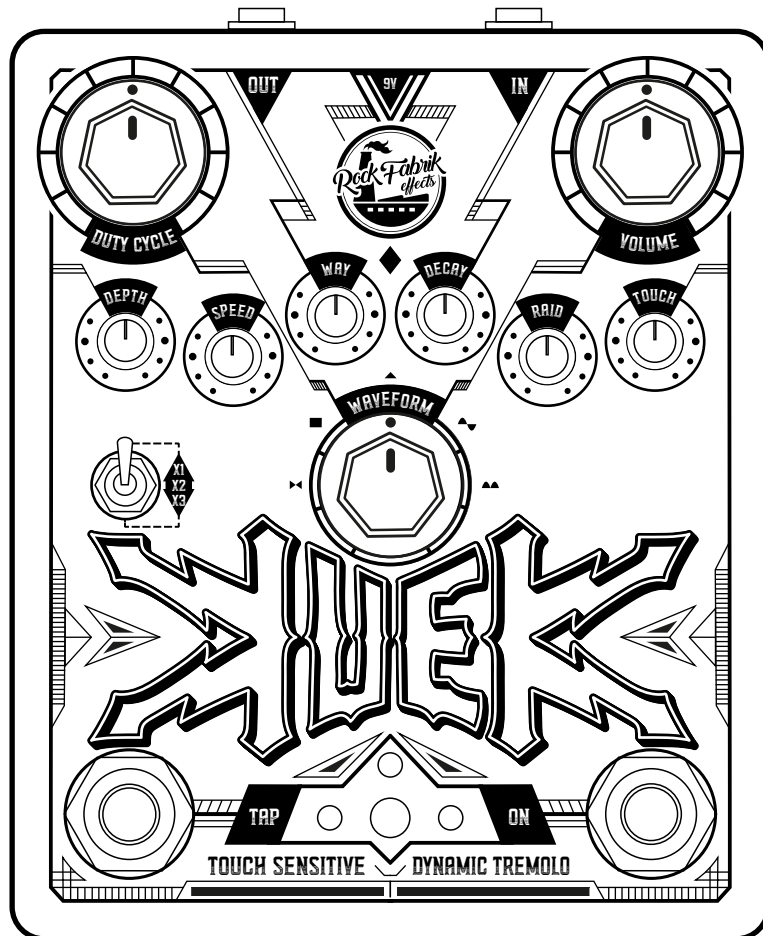




KUEK

USER MANUAL



KUEK/Touch Sensitive Dynamic Tremolo

All things in our universe are constantly in vibrating. Even objects that appear to be stationary are in fact vibrating, oscillating, resonating, at various frequencies. Everything from subatomic particle to giant planets is oscillating. Even our thoughts are vibration of energy. KUEK is the another door to enter this universe. KUEK will help you to conquer the vibration universe with your fingers. Make KUEK's acquaintance and then dominate the vibrance.

Description

KUEK is digitally controlled analog tremolo/vibrato unit. Even though LFO and controls digital, whole signal path is analog. So we can say it's a marriage of digital control and vintage analog sound. Also it's much more than conventional tremolo/vibratos. Besides modern features like tap tempo, multi waveforms, It has many more unique features like duty cycle, dynamic speed which depends on your playing. Detection circuit takes sample of input signal without make any differences of main audio signal to control dynamic features. How your fingers will effect dynamic features is completely controllable with bunch of potentiometers. Even every single motion of your finger can be detected.

Controls

Pots;

DUTY CYCLE : Sets fraction of one period in which a signal is active.

DEPTH : Determines intensity of tremolo effects.

SPEED : Sets first value of dynamic speed.

WAY : Sets last value of dynamic speed. Also controls direction of dynamic speed. It's speed up region till way pot is half and speed down region from half to full. To fix speed keep it half.

WAVEFORM : Selects waveform from \times Sawtooth- \blacksquare Square- \blacktriangle Triange- \blacktriangledown Sine- Rectified Sine \blacktriangleup respectively.

DECAY : Controls the time it takes for the speed to go from the maximum level to minimum level which you set.

RAID : Controls the time it takes for the speed to reach the maximum level which you set.

TOUCH : Adjusts sensitivity of your touch. When it's all the way down, speed sets by way and speed pots together or tap tempo switch.

VOLUME : Controls output signal level.

Switches;

TAP DIVISION TOGGLE : Marked as x1,x2,x3. Selects between no division(x1), half notes(x2) or triplet(x3).

TAP TEMPO FOOTSWITCH : Measures the time between two presses of a switch, and uses this time to set the LFO's basic tempo. Tap led indicates to between two presses. For this feature touch pot must be all the way down.

ON FOOTSWITCH : Press switch to engage pedal.

Tips;

- For using as a conventional tremolo, turn the touch pot all the way down, so speed will be not affect from your playing.
- When using as a conventional tremolo, sets speed with way and speed pots together. They are interdependent in this situation.
- To use tap tempo switch effectively, touch sensitivity shouldn't be active.
- For usual tremolo sounds, keep duty cycle pot on half.

Specifications

Input impedance : 1M

Output impedance : 150 ohm

Current draw: 75mA

Power supply: 9V negative center(100mA recommended)

Min LFO frequency: 0.1 Hertz

Max LFO frequency: 40 Hertz

Attack time : 20ms-3s

Decay time: 20ms-3s

Relay True Bypass

Dimmension: 120x100x50mm