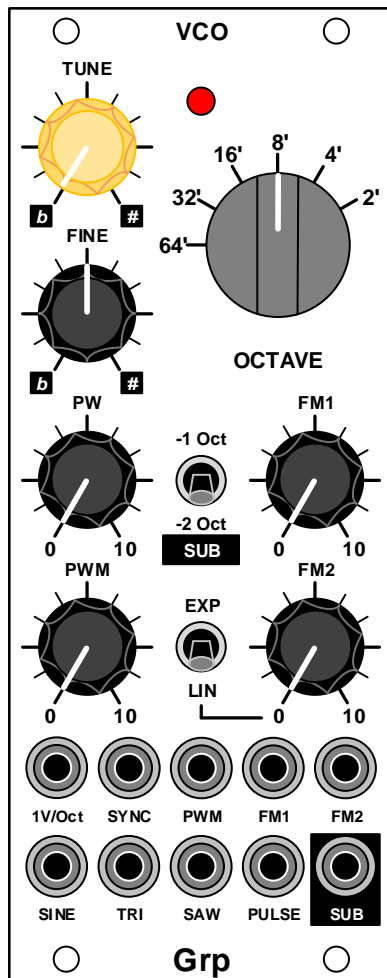


Grp Synthesizer P02 – VCO



Oscillator w Sine, Triangle, Saw,Pulse Sub Oct (-1/-2)
 Octave 64'-2',three CV In; PW/PWM w CV in
 Hard Sync , FM2 bus Exp/Lin
 Panel Width: 10 HP
 +12V = 60mA
 -12V = 50mA
 +5V = 0mA

CONTROLS

TUNE: sets VCO tuning; range +/- 1 Octave

FINE: sets VCO tuning; range +/- 1 Tone

OCTAVE: sets VCO octave; range 64' – 2'

PW: Pulse Width symmetry

PWM: Pulse Width Modulation amount for ext CV connected at PWM input port

SUB: sets suboctave (square wave) at -1 or -2 Octave. Sub octave signal is available at SUB output port

FM1: Frequency Modulation amount for ext CV connected at FM1 input port. FM1 is exponential

FM2: Frequency Modulation amount for ext CV connected at FM2 input port. FM2 can be exp/linear

EXP/LIN: sets exponential/linear behavior for ext CV connected at FM2 input port.

CONNECTIONS

1V/OCT: unattenuated, 1V/Oct CV input for ext keyboard or sequencers

SYNC: hard sync master input

PWM: attenuated CV input port for Pulse Width Modulation

FM1: attenuated CV input port for exp Frequency Modulation

FM2: attenuated CV input port for exp/lin Frequency Modulation

SINE: audio out for sine wave

TRI: audio out for triangle wave

SAW: audio out for sawtooth wave

PULSE: audio out for variable-width pulse wave

SUB: audio out for selectable -1/-2 oct sub octave square wave